

Qingdong Zheng

List of Publications by Year in descending order

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154
papers

9,498
citations

38660

50
h-index

39575

94
g-index

159
all docs

159
docs citations

159
times ranked

11041
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphoton Absorbing Materials: Molecular Designs, Characterizations, and Applications. <i>Chemical Reviews</i> , 2008, 108, 1245-1330.	23.0	1,906
2	Applications of ZnO in organic and hybrid solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 3861.	15.6	478
3	Interfacial Materials for Organic Solar Cells: Recent Advances and Perspectives. <i>Advanced Science</i> , 2016, 3, 1500362.	5.6	389
4	Controlled Synthesis and Energy Applications of One-Dimensional Conducting Polymer Nanostructures: An Overview. <i>Advanced Energy Materials</i> , 2012, 2, 179-218.	10.2	329
5	Aggregation-Enhanced Fluorescence and Two-Photon Absorption in Nanoaggregates of a 9,10-Bis[4-(4-aminostyryl)styryl]anthracene Derivative. <i>Advanced Functional Materials</i> , 2006, 16, 2317-2323.	7.8	258
6	Ladder-Type Oligo-phenylene-Containing Copolymers with High Open-Circuit Voltages and Ambient Photovoltaic Activity. <i>Journal of the American Chemical Society</i> , 2010, 132, 5394-5404.	6.6	216
7	Conformationally Restricted Dipyromethene Boron Difluoride (BODIPY) Dyes: Highly Fluorescent, Multicolored Probes for Cellular Imaging. <i>Chemistry - A European Journal</i> , 2008, 14, 5812-5819.	1.7	191
8	Controlling the Structures and Photonic Properties of Organic Nanomaterials by Molecular Design. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8713-8717.	7.2	180
9	Efficient Organic Solar Cells from Molecular Orientation Control of M-Series Acceptors. <i>Joule</i> , 2021, 5, 197-209.	11.7	164
10	Multi-photon excitation properties of CdSe quantum dots solutions and optical limiting behavior in infrared range. <i>Optics Express</i> , 2007, 15, 12818.	1.7	156
11	Regioregular Narrow-Bandgap Type Polymers with High Electron Mobility Enabling Highly Efficient All-Polymer Solar Cells. <i>Advanced Materials</i> , 2021, 33, e2102635.	11.1	151
12	Frequency-upconverted stimulated emission by simultaneous five-photon absorption. <i>Nature Photonics</i> , 2013, 7, 234-239.	15.6	134
13	Micropatterned elastic ionic polyacrylamide hydrogel for low-voltage capacitive and organic thin-film transistor pressure sensors. <i>Nano Energy</i> , 2019, 58, 96-104.	8.2	123
14	Pyromellitic Diimides: Minimal Cores for High Mobility n-Channel Transistor Semiconductors. <i>Journal of the American Chemical Society</i> , 2008, 130, 14410-14411.	6.6	120
15	Silica-Based Nanoparticle Uptake and Cellular Response by Primary Microglia. <i>Environmental Health Perspectives</i> , 2010, 118, 589-595.	2.8	115
16	CuO/polypyrrole core-shell nanocomposites as anode materials for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2012, 20, 40-43.	2.3	115
17	Fluorene-Conjugated Dendritic Nanosized Chromophore with Enhanced Two-Photon Absorption. <i>Chemistry of Materials</i> , 2005, 17, 6004-6011.	3.2	110
18	Ladder-Type Heteroheptacenes with Different Heterocycles for Nonfullerene Acceptors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21627-21633.	7.2	108

#	ARTICLE	IF	CITATIONS
19	Synthesis, Characterization, Two-Photon Absorption, and Optical Limiting Properties of Ladder-Type Oligo(p-phenylene)-Cored Chromophores. <i>Advanced Functional Materials</i> , 2008, 18, 2770-2779.	7.8	107
20	Ladder-Type Dithienonaphthalene-Based Small-Molecule Acceptors for Efficient Nonfullerene Organic Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 7942-7952.	3.2	105
21	Degenerate two-/three-photon absorption and optical power-limiting properties in femtosecond regime of a multi-branched chromophore. <i>Journal of Materials Chemistry</i> , 2006, 16, 2490.	6.7	101
22	A novel near IR two-photon absorbing chromophore: Optical limiting and stabilization performances at an optical communication wavelength. <i>Chemical Physics Letters</i> , 2009, 475, 250-255.	1.2	99
23	Asymmetric-Indenothiophene-Based Copolymers for Bulk Heterojunction Solar Cells with 9.14% Efficiency. <i>Advanced Materials</i> , 2016, 28, 3359-3365.	11.1	97
24	Bandgap Tunable ZnMgO Thin Films as Highly Transparent Cathode Buffer Layers for High-Performance Inverted Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1301404.	10.2	93
25	Two- and Three-Photon Absorption and Frequency Upconverted Emission of Silicon Quantum Dots. <i>Nano Letters</i> , 2008, 8, 2688-2692.	4.5	92
26	Recent advances in wide bandgap semiconducting polymers for polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1860-1872.	5.2	92
27	A minimal benzo[1,2,5]thiadiazole-based electron acceptor as a third component material for ternary polymer solar cells with efficiencies exceeding 16.0%. <i>Materials Horizons</i> , 2020, 7, 117-124.	6.4	85
28	Control over π - π stacking of heteroheptacene-based nonfullerene acceptors for 16% efficiency polymer solar cells. <i>National Science Review</i> , 2020, 7, 1886-1895.	4.6	84
29	Improving the charge transport of the ternary blend active layer for efficient semitransparent organic solar cells. <i>Energy and Environmental Science</i> , 2020, 13, 5177-5185.	15.6	75
30	Controllable ZnMgO Electron-Transporting Layers for Long-Term Stable Organic Solar Cells with 8.06% Efficiency after One-Year Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1501493.	10.2	72
31	Synthesis and properties of substituted (p-aminostyryl)-1-(3-sulfoxypropyl)pyridinium inner salts as a new class of two-photon pumped lasing dyes. Electronic supplementary information (ESI) available: synthesis details for compounds 7b, 7c, 8b and 8c. See http://www.rsc.org/suppdata/jm/b3/b307504d/ . <i>Journal of Materials Chemistry</i> , 2003, 13, 2499.	6.7	71
32	Polyelectrolyte Dielectrics for Flexible Low-Voltage Organic Thin-Film Transistors in Highly Sensitive Pressure Sensing. <i>Advanced Functional Materials</i> , 2019, 29, 1806092.	7.8	71
33	Solution-Processed Bilayer Dielectrics for Flexible Low-Voltage Organic Field-Effect Transistors in Pressure Sensing Applications. <i>Advanced Science</i> , 2018, 5, 1701041.	5.6	66
34	Novel two-photon-absorbing, 1,10-phenanthroline-containing π -conjugated chromophores and their nickel(ii) chelated complexes with quenched emissions. <i>Journal of Materials Chemistry</i> , 2005, 15, 579-587.	6.7	64
35	Interface Control of Semiconducting Metal Oxide Layers for Efficient and Stable Inverted Polymer Solar Cells with Open-Circuit Voltages over 1.0 Volt. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9015-9025.	4.0	64
36	Rayleigh, Mie, and Tyndall scatterings of polystyrene microspheres in water: Wavelength, size, and angle dependences. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	63

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37	Two-photon absorption and optical power limiting properties of ladder-type tetraphenylene cored chromophores with different terminal groups. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1771.	2.7	63
38	Defect Passivation of CsPbI ₂ Br Perovskites for High-Performance Solar Cells with Large Open-Circuit Voltage of 1.28 V. <i>ACS Applied Energy Materials</i> , 2018, 1, 5872-5878.	2.5	62
39	Surface Passivation of Inorganic CsPbI ₂ Br with a Fluorinated Organic Ammonium Salt for Perovskite Solar Cells with Efficiencies over 16%. <i>Solar Rrl</i> , 2020, 4, 2000321.	3.1	61
40	Water-Soluble Two-Photon Absorbing Nitrosyl Complex for Light-Activated Therapy through Nitric Oxide Release. <i>Molecular Pharmaceutics</i> , 2008, 5, 389-398.	2.3	59
41	Angular-Shaped Dithienonaphthalene-Based Nonfullerene Acceptor for High-Performance Polymer Solar Cells with Large Open-Circuit Voltages and Minimal Energy Losses. <i>Chemistry of Materials</i> , 2017, 29, 9775-9785.	3.2	59
42	Micropatterned Elastic Gold-Nanowire/Polyacrylamide Composite Hydrogels for Wearable Pressure Sensors. <i>Advanced Materials Technologies</i> , 2018, 3, 1800051.	3.0	59
43	Liquid-Crystalline Mesogens Based on Cyclo[6]aramides: Distinctive Phase Transitions in Response to Macrocyclic Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11147-11152.	7.2	58
44	Synthesis, two- and three-photon absorption, and optical limiting properties of fluorene-containing ferrocene derivatives. <i>Journal of Materials Chemistry</i> , 2005, 15, 3488.	6.7	56
45	Epitaxial Growth of MOF Thin Film for Modifying the Dielectric Layer in Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7259-7264.	4.0	56
46	Defect passivation of CsPbI ₂ Br perovskites through Zn(II) doping: toward efficient and stable solar cells. <i>Science China Chemistry</i> , 2019, 62, 1044-1050.	4.2	55
47	Shell Structure Control of PPy-Modified CuO Composite Nanoleaves for Lithium Batteries with Improved Cyclic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 507-517.	3.2	54
48	High-Performance Ladder-Type Heteroheptacene-Based Nonfullerene Acceptors Enabled by Asymmetric Cores with Enhanced Noncovalent Intramolecular Interactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19314-19323.	7.2	54
49	Indacenodithiophene-based wide bandgap copolymers for high performance single-junction and tandem polymer solar cells. <i>Nano Energy</i> , 2017, 33, 313-324.	8.2	52
50	Low Band Gap Polymers Incorporating a Dicarboxylic Imide-Derived Acceptor Moiety for Efficient Polymer Solar Cells. <i>ACS Macro Letters</i> , 2013, 2, 605-608.	2.3	51
51	BODIPY-doped silica nanoparticles with reduced dye leakage and enhanced singlet oxygen generation. <i>Scientific Reports</i> , 2015, 5, 12602.	1.6	49
52	Synthesis of C60-diphenylaminofluorene dyad with large 2PA cross-sections and efficient intramolecular two-photon energy transfer. <i>Chemical Communications</i> , 2002, , 1854-1855.	2.2	48
53	Large Cross-Section Enhancement and Intramolecular Energy Transfer upon Multiphoton Absorption of Hindered Diphenylaminofluorene-C60Dyads and Triads. <i>Chemistry of Materials</i> , 2006, 18, 4065-4074.	3.2	48
54	Over 17% Efficiency of Ternary Organic Photovoltaics Employing Two Acceptors with an Acceptor-Donor-Acceptor Configuration. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57684-57692.	4.0	47

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55	Infrared two-photon-excited visible lasing from a DNA-surfactant-chromophore complex. <i>Optics Letters</i> , 2006, 31, 359.	1.7	46
56	Enhancing the Photovoltaic Performance of Ladder-Type Dithienocyclopentacarbazole-Based Nonfullerene Acceptors through Fluorination and Side-Chain Engineering. <i>Chemistry of Materials</i> , 2019, 31, 5953-5963.	3.2	43
57	Push-Pull Type Non-Fullerene Acceptors for Polymer Solar Cells: Effect of the Donor Core. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24771-24777.	4.0	42
58	Two-, three-, and four-photon-pumped stimulated cavityless lasing properties of ten stilbazolium-dyes solutions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 2219.	0.9	40
59	Ladder-Type Dithienonaphthalene-Based Donor-Acceptor Copolymers for Organic Solar Cells. <i>Macromolecules</i> , 2013, 46, 4813-4821.	2.2	40
60	Low-Temperature Solution-Processed Zinc Tin Oxide Film as a Cathode Interlayer for Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6186-6193.	4.0	40
61	Emerging Perovskite Materials with Different Nanostructures for Photodetectors. <i>Advanced Optical Materials</i> , 2021, 9, 2001637.	3.6	40
62	PEDOT:PSS-Free Polymer Non-Fullerene Polymer Solar Cells with Efficiency up to 18.60% Employing a Binary-Solvent-Chlorinated ITO Anode. <i>Advanced Functional Materials</i> , 2021, 31, 2106846.	7.8	40
63	Silylated BODIPY dyes and their use in dye-encapsulated silica nanoparticles with switchable emitting wavelengths for cellular imaging. <i>Analyst</i> , 2012, 137, 4140.	1.7	39
64	Solution-derived poly(ethylene glycol)-TiO ₂ nanocomposite film as a universal cathode buffer layer for enhancing efficiency and stability of polymer solar cells. <i>Nano Research</i> , 2015, 8, 456-468.	5.8	38
65	Long lifetime stable and efficient semitransparent organic solar cells using a ZnMgO-modified cathode combined with a thin MoO ₃ /Ag anode. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3888-3899.	5.2	38
66	Saturation of multiphoton absorption upon strong and ultrafast infrared laser excitation. <i>Journal of Applied Physics</i> , 2007, 101, 083108.	1.1	37
67	Two-photon absorption based optical limiting and stabilization by using a CdTe quantum dot solution excited at optical communication wavelength of $\lambda \approx 1300\text{nm}$. <i>Applied Physics Letters</i> , 2007, 90, 181108.	1.5	37
68	Enhancing the performance of photomultiplication-type organic photodetectors using solution-processed ZnO as an interfacial layer. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1544-1550.	2.7	36
69	Binary polymer composite dielectrics for flexible low-voltage organic field-effect transistors. <i>Organic Electronics</i> , 2018, 53, 205-212.	1.4	35
70	Angular-shaped naphthalene tetracarboxylic diimides for n-channel organic transistor semiconductors. <i>Chemical Communications</i> , 2012, 48, 1254-1256.	2.2	34
71	Water-Dispersible Polymeric Structure Co-encapsulating a Novel Hexa-peri-hexabenzocoronene Core Containing Chromophore with Enhanced Two-Photon Absorption and Magnetic Nanoparticles for Magnetically Guided Two-Photon Cellular Imaging. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16846-16851.	1.5	33
72	Broadband organic photodetectors based on ternary blend active layers with enhanced and spectrally flat response. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14049-14055.	2.7	31

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73	A long-wavelength-emitting fluorescent turn-on probe for imaging hydrogen sulfide in living cells. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 99-104.	4.0	30
74	Indenothiophene-Based Wide Bandgap Copolymer for Polymer Fullerene Solar Cells with 9.01% Efficiency and 1.0 V Open Circuit Voltage. <i>Advanced Electronic Materials</i> , 2016, 2, 1600340.	2.6	28
75	Poly(vinylpyrrolidone)-doped SnO ₂ as an electron transport layer for perovskite solar cells with improved performance. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12204-12210.	2.7	28
76	KF-Doped SnO ₂ as an electron transport layer for efficient inorganic CsPbI ₂ Br perovskite solar cells with enhanced open-circuit voltages. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4240-4247.	2.7	28
77	One-, two-, and three-photon pumped lasing in a novel liquid dye salt system. <i>IEEE Journal of Quantum Electronics</i> , 2003, 39, 1003-1008.	1.0	27
78	Novel fluorophore based on a multi-substituted olefin skeleton with enhanced three-photon absorption in the femtosecond regime. <i>Chemical Communications</i> , 2008, , 389-391.	2.2	27
79	Highly Soluble Heteroheptacene: A New Building Block for p-Type Semiconducting Polymers. <i>Organic Letters</i> , 2011, 13, 324-327.	2.4	27
80	Enhancing the efficiency and stability of two-dimensional Dionâ€“Jacobson perovskite solar cells using a fluorinated diammonium spacer. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11778-11786.	5.2	27
81	A facile surface passivation method for efficient inorganic CsPbI ₂ Br perovskite solar cells with efficiencies over 15%. <i>Science China Materials</i> , 2020, 63, 719-727.	3.5	26
82	Enhancing the Photovoltaic Performance of Ladder-Type Heteroheptacene-Based Nonfullerene Acceptors by Incorporating Halogen Atoms on Their Ending Groups. <i>Advanced Functional Materials</i> , 2021, 31, 2010436.	7.8	26
83	Two- and three-photon absorption based optical limiting and stabilization using a liquid dye. <i>IEEE Journal of Quantum Electronics</i> , 2005, 41, 1037-1043.	1.0	23
84	Experimental and Quantum Chemical Studies of Cooperative Enhancement of Three-Photon Absorption, Optical Limiting, and Stabilization Behaviors in Multibranching and Dendritic Structures. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14604-14610.	1.2	23
85	Tuning the frontier molecular orbital energy levels of <i>n</i> -type conjugated copolymers by using angular-shaped naphthalene tetracarboxylic diimides, and their use in all-polymer solar cells with high open-circuit voltages. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1999-2005.	2.5	23
86	Star-shaped chromophores based on a benzodithiophene fused truxene core for solution processed organic solar cells. <i>Dyes and Pigments</i> , 2013, 99, 366-373.	2.0	22
87	Improving the photovoltaic performance of ladder-type dithienonaphthalene-containing copolymers through structural isomerization. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13905-13915.	5.2	22
88	Diindenocarbazole-based large bandgap copolymers for high-performance organic solar cells with large open circuit voltages. <i>Polymer Chemistry</i> , 2014, 5, 6847-6856.	1.9	22
89	Stimulated Rayleigh-Bragg scattering in two-photon absorbing media. <i>Physical Review A</i> , 2005, 71, .	1.0	21
90	Heavy atom enhanced generation of singlet oxygen in novel indenofluorene-based two-photon absorbing chromophores for photodynamic therapy. <i>Dyes and Pigments</i> , 2015, 117, 7-15.	2.0	21

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91	Heteroheptacene-cored semiconducting molecules for non-fullerene organic solar cells. <i>Dyes and Pigments</i> , 2017, 144, 133-141.	2.0	21
92	Sandwich structured dielectrics for air-stable and flexible low-voltage organic transistors in ultrasensitive pressure sensing. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1459-1470.	3.2	21
93	Novel ladder-type heteroheptacene-based copolymers for bulk heterojunction solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 16032.	6.7	19
94	Real-time monitoring of intracellular nitric oxide using a long-wavelength-emitting probe <i>via</i> one-photon or two-photon excitation. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3246-3252.	2.7	19
95	Enhancing the photovoltaic performance of heteroheptacene-based nonfullerene acceptors through the synergistic effect of side-chain engineering and fluorination. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24543-24552.	5.2	19
96	Hot-Casting Boosts Efficiency of Halogen-Free Solvent Processed Non-Fullerene Organic Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2105794.	7.8	17
97	Two-Photon Excitation of Fluorogenic Probes for Redox Metabolism: A Dramatic Enhancement of Optical Contrast Ratio by Two-Photon Excitation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8872-8877.	1.5	16
98	High electron mobility ZnO film for high-performance inverted polymer solar cells. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	15
99	Asymmetric properties between the forward and backward stimulated emission generated by ultrafast three- and four-photon excitation. <i>Physical Review A</i> , 2006, 73, .	1.0	14
100	Dynamics of cavityless lasing generated by ultrafast multiphoton excitation. <i>Physical Review A</i> , 2006, 74, .	1.0	14
101	Side-chain engineering of diindenocarbazole-based large bandgap copolymers toward high performance polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6160-6168.	2.7	14
102	High performance thermal-treatment-free tandem polymer solar cells with high fill factors. <i>Organic Electronics</i> , 2017, 47, 79-84.	1.4	14
103	Ladder-Type Heteroheptacenes with Different Heterocycles for Nonfullerene Acceptors. <i>Angewandte Chemie</i> , 2020, 132, 21811-21817.	1.6	14
104	Molecular orientation, anisotropic electron transport and photovoltaic properties of ladder-type heteroheptacene-based semiconductors. <i>Chemical Engineering Journal</i> , 2021, 418, 129497.	6.6	14
105	DNA-based materials for electro-optic applications: current status. , 2005, 5934, 38.		13
106	Improved synthesis and photovoltaic performance of donor-acceptor copolymers based on dibenzothiophene-cored ladder-type heptacyclic units. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5631-5641.	2.7	13
107	Asymmetric indenothiophene-based non-fullerene acceptors for efficient polymer solar cells. <i>Science China Materials</i> , 2017, 60, 707-716.	3.5	13
108	Different Morphology Dependence for Efficient Indoor Organic Photovoltaics: The Role of the Leakage Current and Recombination Losses. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44604-44614.	4.0	13

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109	An anode buffer layer with size-controlled Ag nanoparticles for polymer solar cells with improved efficiencies. <i>RSC Advances</i> , 2015, 5, 16153-16161.	1.7	11
110	Ladder-type tetra-p-phenylene-based copolymers for efficient polymer solar cells with open-circuit voltages approaching 1.1 V. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21672-21681.	5.2	11
111	Cyclopentadithiophene-cored non-fullerene acceptors for efficient polymer solar cells with superior stability. <i>Solar Energy</i> , 2018, 174, 991-998.	2.9	11
112	Dithienocyclopentadibenzothiophene: a C_{2v} -symmetric core for nonfullerene acceptors with tunable bandgaps. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9609-9617.	5.2	11
113	Dynamic properties and optical phase conjugation of two-photon pumped ultrashort blue stimulated emission in a chromophore solution. <i>Physical Review A</i> , 2008, 77, .	1.0	10
114	Controllable and Stepwise Synthesis of Soluble Ladder-Conjugated Bis(Perylene Imide) Fluorenebisimidazole as a Multifunctional Optoelectronic Material. <i>Journal of Organic Chemistry</i> , 2015, 80, 1871-1877.	1.7	10
115	A ternary conjugated D ^A copolymer yields over 9.0% efficiency in organic solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12015-12021.	5.2	10
116	High performance n-channel thin-film field-effect transistors based on angular-shaped naphthalene tetracarboxylic diimides. <i>Organic Electronics</i> , 2013, 14, 2859-2865.	1.4	9
117	Peripherally diketopyrrolopyrrole-functionalized dendritic oligothiophenes – synthesis, molecular structure, properties and applications. <i>Polymer Chemistry</i> , 2017, 8, 1460-1476.	1.9	9
118	Ladder-type dithienocyclopentadibenzothiophene-cored wide-bandgap polymers for efficient non-fullerene solar cells with large open-circuit voltages. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3307-3316.	5.2	9
119	Asymmetric indenothiophene-based nonfullerene acceptors for binary- and ternary-blend polymer solar cells. <i>Dyes and Pigments</i> , 2019, 170, 107555.	2.0	9
120	High-Performance Ladder-Type Heteroheptacene-Based Nonfullerene Acceptors Enabled by Asymmetric Cores with Enhanced Noncovalent Intramolecular Interactions. <i>Angewandte Chemie</i> , 2021, 133, 19463-19472.	1.6	9
121	Enhancing the Intermolecular Interactions of Ladder-Type Heteroheptacene-Based Nonfullerene Acceptors for Efficient Polymer Solar Cells by Incorporating Asymmetric Side Chains. <i>CCS Chemistry</i> , 2023, 5, 455-468.	4.6	9
122	Indenofluorene based water soluble conjugated oligomers for Hg ²⁺ detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 132-140.	4.0	8
123	Solution-processed MoS _x thin-films as hole-transport layers for efficient polymer solar cells. <i>RSC Advances</i> , 2016, 6, 39137-39143.	1.7	8
124	Modulation of bulk heterojunction morphology through small π -bridge changes for polymer solar cells with enhanced performance. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5999-6007.	2.7	8
125	Ladder-type heteroacene-based dopant-free hole-transporting materials for efficient and stable CsPbI ₂ Br perovskite solar cells. <i>Dyes and Pigments</i> , 2021, 191, 109368.	2.0	8
126	High-performance heptacyclic ladder-type heteroarene-based electron acceptors enabled by bulky neighboring side-chains and end-group fluorination. <i>Chemical Engineering Journal</i> , 2022, 432, 134393.	6.6	8

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127	Furfurylammonium as a Spacer for Efficient 2D Ruddlesden-Popper Perovskite Solar Cells. <i>Solar Rrl</i> , 2022, 6, .	3.1	8
128	Synthesis and Nonlinear Optical Properties of p-(Dimethylamino)benzylidene Dyes Containing Different Acceptors. <i>Chemistry Letters</i> , 2000, 29, 1426-1427.	0.7	7
129	Stimulated Rayleigh-Bragg scattering in a three-photon absorbing medium and its phase-conjugation property. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1166.	0.9	7
130	A minimal core based fluorophore for selective detection of Zn(II) ions in aqueous solution and living cells. <i>Talanta</i> , 2011, 85, 824-828.	2.9	7
131	Ladder-type Diindenopyrazine Based Conjugated Copolymers for Organic Solar Cells with High Open-circuit Voltages. <i>Chinese Journal of Chemistry</i> , 2013, 31, 1409-1417.	2.6	7
132	Indenothiophene-based asymmetric small molecules for organic solar cells. <i>RSC Advances</i> , 2017, 7, 18144-18150.	1.7	7
133	Ladder-type heteroheptacene-cored semiconductors for small-molecule solar cells. <i>Dyes and Pigments</i> , 2018, 149, 747-754.	2.0	7
134	Boosting the photovoltaic performance of ladder-type heteroheptacene-based nonfullerene acceptors by incorporating auxochromic groups in the electron-rich core. <i>Chemical Engineering Journal</i> , 2022, 427, 131022.	6.6	7
135	Absorption Spectrum-Compensating Configuration Reduces the Energy Loss of Nonfullerene Organic Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, 2109735.	7.8	7
136	Series Nonfullerene Acceptors with Varied Fluorinated End Groups: Crystal Structure, Intermolecular Interaction, Charge Transport, and Photovoltaic Performance. <i>Solar Rrl</i> , 2022, 6, .	3.1	7
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