

Cheng Zhong

List of Publications by Year in descending order

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164
papers

9,420
citations

28190

55
h-index

43802

91
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167
all docs

167
docs citations

167
times ranked

7195
citing authors

#	ARTICLE	IF	CITATIONS
1	Ester-substituted thiophene-fused benzothiadiazole as a strong electron acceptor to build a red emitters for highly efficient solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1127-1135.	2.7	8
2	Simple thiazole-centered oligothiophene donor enables 15.4% efficiency all small molecule organic solar cells. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3009-3017.	5.2	28
3	Supramolecular CRISPR-OFF switches with host-guest chemistry. <i>Nucleic Acids Research</i> , 2022, 50, 1241-1255.	6.5	6
4	An asymmetric 2,3-fluoranthene imide building block for regioregular semiconductors with aggregation-induced emission properties. <i>Chemical Science</i> , 2022, 13, 996-1002.	3.7	10
5	Carbazole-based A type hole transport materials to enhance the performance of perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2022, 6, 371-376.	2.5	14
6	High-Performance Circularly Polarized Electroluminescence with Simultaneous Narrowband Emission, High Efficiency, and Large Dissymmetry Factor. <i>Advanced Materials</i> , 2022, 34, e2109147.	11.1	37
7	Defluorination mechanism related to the activity of hydroxyl groups: A combined density functional theory calculations and experimental study. <i>Chemical Engineering Journal</i> , 2022, 437, 135342.	6.6	3
8	Room temperature phosphorescence achieved by aromatic/perfluoroaromatic interactions. <i>Science China Chemistry</i> , 2022, 65, 918-925.	4.2	41
9	Extending the π -Skeleton of Multi-Resonance TADF Materials towards High-Efficiency Narrowband Deep-Blue Emission. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	25
10	A Removable Acyl Group Promoted the Intramolecular Dehydro-Diels-Alder Reaction of Styrene-Ynes: Highly Chemoselective Synthesis of Aryldihydronaphthalene Derivatives. <i>Journal of Organic Chemistry</i> , 2022, 87, 6601-6611.	1.7	5
11	Extending the π -Skeleton of Multi-Resonance TADF Materials towards High-Efficiency Narrowband Deep-Blue Emission. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	110
12	Rational design of perfectly oriented thermally activated delayed fluorescence emitter for efficient red electroluminescence. <i>Science China Materials</i> , 2021, 64, 920-930.	3.5	27
13	Multi-Layer π -Stacked Molecules as Efficient Thermally Activated Delayed Fluorescence Emitters. <i>Angewandte Chemie</i> , 2021, 133, 5273-5279.	1.6	17
14	Multi-Layer π -Stacked Molecules as Efficient Thermally Activated Delayed Fluorescence Emitters. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5213-5219.	7.2	79
15	Stabilization mechanism of arsenic-sulfide slag by density functional theory calculation of arsenic-sulfide clusters. <i>Journal of Hazardous Materials</i> , 2021, 410, 124567.	6.5	9
16	Asymmetric Acceptors Enabling Organic Solar Cells to Achieve an over 17% Efficiency: Conformation Effects on Regulating Molecular Properties and Suppressing Nonradiative Energy Loss. <i>Advanced Energy Materials</i> , 2021, 11, 2003177.	10.2	114
17	Significantly enhanced thermal stability from a new kind of n-type organic semiconductor DFA4: a fully fused F8IC. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13625-13629.	2.7	4
18	Gaseous cyclodextrin-closedodecaborate complexes β -CD ₁₂ -X ₁₂ (X = F, Cl, Br, and I): electronic structures and intramolecular interactions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13447-13457.		8

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19	Rational design of near-infrared fluorophores with a phenolic Dâ€‘A type structure and construction of a fluorescent probe for cysteine imaging. <i>New Journal of Chemistry</i> , 2021, 45, 18528-18537.	1.4	9
20	Dimers with thermally activated delayed fluorescence (TADF) emission in non-doped device. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4792-4798.	2.7	9
21	Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridineâ€‘Based Dopantâ€‘Free Polymer Semiconductor. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7227-7233.	7.2	107
22	Intramolecularâ€‘Locked High Efficiency Ultrapure Violetâ€‘Blue (CIEâ€‘y ≤ 0.046) Thermally Activated Delayed Fluorescence Emitters Exhibiting Amplified Spontaneous Emission. <i>Advanced Functional Materials</i> , 2021, 31, 2009488.	7.8	88
23	Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridineâ€‘Based Dopantâ€‘Free Polymer Semiconductor. <i>Angewandte Chemie</i> , 2021, 133, 7303-7309.	1.6	18
24	Highly Efficient Near-Infrared Photosensitizers with Aggregation-Induced Emission Characteristics: Rational Molecular Design and Photodynamic Cancer Cell Ablation. <i>ACS Applied Bio Materials</i> , 2021, 4, 5231-5239.	2.3	14
25	Ï€-Stacked Thermally Activated Delayed Fluorescence Emitters with Alkyl Chain Modulation. <i>CCS Chemistry</i> , 2021, 3, 1757-1763.	4.6	15
26	Asymmetric Isomer Effects in Benzo[<i>c</i>][1,2,5]thiadiazoleâ€‘Fused Nonacyclic Acceptors: Dielectric Constant and Molecular Crystallinity Control for Significant Photovoltaic Performance Enhancement. <i>Advanced Functional Materials</i> , 2021, 31, 2104369.	7.8	46
27	Plant Sterol Clustering Correlates with Membrane Microdomains as Revealed by Optical and Computational Microscopy. <i>Membranes</i> , 2021, 11, 747.	1.4	4
28	Heavy-atom effect promotes multi-resonance thermally activated delayed fluorescence. <i>Chemical Engineering Journal</i> , 2021, 426, 131169.	6.6	122
29	Practical access to fluorescent 2,3-naphthalimide derivatives <i>via</i> didehydro-Dielsâ€‘Alder reaction. <i>Chemical Communications</i> , 2021, 57, 5155-5158.	2.2	9
30	Nâ€‘Heterocyclic Carbene Catalyzed [3+2] Annulations of Î²â€‘Halocycloenals with Isatins and Mechanism Study. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 983-989.	1.2	5
31	Narrowing the Electroluminescence Spectra of Multiresonance Emitters for High-Performance Blue OLEDs by a Peripheral Decoration Strategy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59035-59042.	4.0	34
32	Polymorphâ€‘Dependent Thermally Activated Delayed Fluorescence Emitters: Understanding TADF from a Perspective of Aggregation State. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9972-9976.	7.2	82
33	A simple and effective strategy to lock the quasi-equatorial conformation of acridine by Hâ€‘H repulsion for highly efficient thermally activated delayed fluorescence emitters. <i>Chemical Communications</i> , 2020, 56, 2308-2311.	2.2	11
34	Polymorphâ€‘Dependent Thermally Activated Delayed Fluorescence Emitters: Understanding TADF from a Perspective of Aggregation State. <i>Angewandte Chemie</i> , 2020, 132, 10058-10062.	1.6	51
35	Branched <i>versus</i> linear: side-chain effect on fluorinated wide bandgap donors and their applications in organic solar cells. <i>New Journal of Chemistry</i> , 2020, 44, 753-760.	1.4	3
36	Difluorinated Oligothiophenes for Highâ€‘Efficiency Allâ€‘Smallâ€‘Molecule Organic Solar Cells: Positional Isomeric Effect of Fluorine Substitution on Performance Variations. <i>Solar Rrl</i> , 2020, 4, 1900472.	3.1	11

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37	Through Space Charge Transfer for Efficient Sky-Blue Thermally Activated Delayed Fluorescence (TADF) Emitter with Unconjugated Connection. <i>Advanced Optical Materials</i> , 2020, 8, 1901150.	3.6	67
38	Acceptor plane expansion enhances horizontal orientation of thermally activated delayed fluorescence emitters. <i>Science Advances</i> , 2020, 6, .	4.7	80
39	Visualizing Peroxynitrite in Microvessels of the Brain with Stroke Using an Engineered Highly Specific Fluorescent Probe. <i>ACS Sensors</i> , 2020, 5, 3237-3245.	4.0	63
40	Altering the Positions of Chlorine and Bromine Substitution on the End Group Enables High-Performance Acceptor and Efficient Organic Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2002649.	10.2	103
41	Computational Screening of Atomically Thin Two-Dimensional Nanomaterial-Coated Cs ₃ Sb Heterostructures for High-Performance Photocathodes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26396-26403.	1.5	3
42	Bipyrimidine core structure-based hole transport materials for efficient perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5271-5276.	2.5	11
43	Precisely Controlling the Position of Bromine on the End Group Enables Well-Regular Polymer Acceptors for All-Polymer Solar Cells with Efficiencies over 15%. <i>Advanced Materials</i> , 2020, 32, e2005942.	11.1	282
44	A deep-red emission fluorescent probe with long wavelength absorption for viscosity detection and live cell imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7819-7826.	1.9	17
45	Superacid-catalyzed Friedel-Crafts polyhydroxyalkylation: a straightforward method to construct sky-blue thermally activated delayed fluorescence polymers. <i>Polymer Chemistry</i> , 2020, 11, 3481-3487.	1.9	9
46	Highly efficient luminescence from space-confined charge-transfer emitters. <i>Nature Materials</i> , 2020, 19, 1332-1338.	13.3	413
47	An asymmetrical fused-ring electron acceptor designed by a cross-conceptual strategy achieving 15.6% efficiency. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14583-14591.	5.2	32
48	A Red Thermally Activated Delayed Fluorescence Emitter Simultaneously Having High Photoluminescence Quantum Efficiency and Preferentially Horizontal Emitting Dipole Orientation. <i>Advanced Functional Materials</i> , 2020, 30, 1908839.	7.8	129
49	Altering alkyl-chains branching positions for boosting the performance of small-molecule acceptors for highly efficient nonfullerene organic solar cells. <i>Science China Chemistry</i> , 2020, 63, 361-369.	4.2	128
50	RBC Membrane Camouflaged Semiconducting Polymer Nanoparticles for Near-Infrared Photoacoustic Imaging and Photothermal Therapy. <i>Nano-Micro Letters</i> , 2020, 12, 94.	14.4	60
51	Simple organic donors based on halogenated oligothiophenes for all small molecule solar cells with efficiency over 11%. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5843-5847.	5.2	43
52	Enhancing the SC_{SC} of P3HT-Based OSCs via a Thiophene-Fused Aromatic Heterocycle as a "Bridge" for A-D-A-Type Acceptors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26005-26016.	4.0	19
53	A novel 9 <i>H</i> -indeno[1,2- <i>b</i>]pyrazine-2,3-dicarbonitrile end group for an efficient non-fullerene small molecule acceptor. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10111-10118.	2.7	6
54	Core Structure Engineering in Hole-Transport Materials to Achieve Highly Efficient Perovskite Solar Cells. <i>ChemSusChem</i> , 2019, 12, 1374-1380.	3.6	21

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55	Achieving Balanced Charge Transport and Favorable Blend Morphology in Non-Fullerene Solar Cells via Acceptor End Group Modification. <i>Chemistry of Materials</i> , 2019, 31, 1752-1760.	3.2	48
56	Multifunctional asymmetrical molecules for high-performance perovskite and organic solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2412-2420.	5.2	14
57	Realizing 22.5% External Quantum Efficiency for Solution-Processed Thermally Activated Delayed-Fluorescence OLEDs with Red Emission at 622 nm via a Synergistic Strategy of Molecular Engineering and Host Selection. <i>Advanced Materials</i> , 2019, 31, e1901404.	11.1	175
58	Fused-Ring Core Engineering for Small Molecule Acceptors Enable High-Performance Nonfullerene Polymer Solar Cells. <i>Small Methods</i> , 2019, 3, 1900280.	4.6	17
59	A structure-property study of fluoranthene-cored hole-transporting materials enables 19.3% efficiency in dopant-free perovskite solar cells. <i>Chemical Science</i> , 2019, 10, 6899-6907.	3.7	79
60	Designing a Perylene Diimide/Fullerene Hybrid as Effective Electron Transporting Material in Inverted Perovskite Solar Cells with Enhanced Efficiency and Stability. <i>Angewandte Chemie</i> , 2019, 131, 8608.	1.6	14
61	Designing a Perylene Diimide/Fullerene Hybrid as Effective Electron Transporting Material in Inverted Perovskite Solar Cells with Enhanced Efficiency and Stability. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8520-8525.	7.2	73
62	Unconjugated Side-Chain Engineering Enables Small Molecular Acceptors for Highly Efficient Non-Fullerene Organic Solar Cells: Insights into the Fine-Tuning of Acceptor Properties and Micromorphology. <i>Advanced Functional Materials</i> , 2019, 29, 1902155.	7.8	105
63	Enhancing Spin-Orbit Coupling by Introducing a Lone Pair Electron with p Orbital Character in a Thermally Activated Delayed Fluorescence Emitter: Photophysics and Devices. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2669-2675.	2.1	38
64	Prediction of Oscillator Strength and Transition Dipole Moments with the Nuclear Ensemble Approach for Thermally Activated Delayed Fluorescence Emitters. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10081-10086.	1.5	53
65	Fluorene-fused ladder-type non-fullerene small molecule acceptors for high-performance polymer solar cells. <i>Materials Chemistry Frontiers</i> , 2019, 3, 709-715.	3.2	11
66	Reduced Energy Loss Enabled by a Chlorinated Thiophene-Fused Ending-Group Small Molecular Acceptor for Efficient Nonfullerene Organic Solar Cells with 13.6% Efficiency. <i>Advanced Energy Materials</i> , 2019, 9, 1900041.	10.2	144
67	Simultaneously increasing open-circuit voltage and short-circuit current to minimize the energy loss in organic solar cells via designing asymmetrical non-fullerene acceptor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11053-11061.	5.2	37
68	Self-Assembly of a Highly Emissive Pure Organic Imine-Based Stack for Electroluminescence and Cell Imaging. <i>Journal of the American Chemical Society</i> , 2019, 141, 4704-4710.	6.6	101
69	Regulating exciton bonding energy and bulk heterojunction morphology in organic solar cells via methyl-functionalized non-fullerene acceptors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6809-6817.	5.2	26
70	Accurate Prediction for Dynamic Hybrid Local and Charge Transfer Excited States from Optimally Tuned Range-Separated Density Functionals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5616-5625.	1.5	19
71	Diaryl ketone-based hole-transporting materials for efficient perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3226-3230.	2.7	19
72	Rhodium-Catalyzed Successive C-H Bond Functionalizations To Synthesize Complex Indenols Bearing a Benzofuran Unit. <i>Organic Letters</i> , 2019, 21, 9598-9602.	2.4	13

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91	Organic emitter integrating aggregation-induced delayed fluorescence and room-temperature phosphorescence characteristics, and its application in time-resolved luminescence imaging. <i>Chemical Science</i> , 2018, 9, 6150-6155.	3.7	111
92	Study of the Deformation/Interaction Model: How Interactions Increase the Reaction Barrier. <i>Journal of Chemistry</i> , 2018, 2018, 1-8.	0.9	5
93	Using Simple Fused Ring Thieno[2,3- <i>d</i>]pyrimidine to Construct Orange/Red Ir(III) Complexes: High-Performance Red Organic Light-Emitting Diodes with EQEs up to Nearly 28%. <i>Advanced Optical Materials</i> , 2018, 6, 1800108.	3.6	28
94	Designing an asymmetrical isomer to promote the LUMO energy level and molecular packing of a non-fullerene acceptor for polymer solar cells with 12.6% efficiency. <i>Chemical Science</i> , 2018, 9, 8142-8149.	3.7	67
95	Iron(II) Chloride-Catalyzed Nitrene Transfer Reaction for Dearomative Amination of 1,2-Naphthols with Aryl Azides. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4720-4725.	2.1	15
96	Organic Field-Effect Transistors: Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and High-Gain Inverters (<i>Adv. Mater.</i> 32/2018). <i>Advanced Materials</i> , 2018, 30, 1870241.	11.1	0
97	Covalent triazine framework-1 as adsorbent for inline solid phase extraction-high performance liquid chromatographic analysis of trace nitroimidazoles in porcine liver and environmental waters. <i>Journal of Chromatography A</i> , 2017, 1483, 40-47.	1.8	46
98	Teaching an old acceptor new tricks: rationally employing 2,1,3-benzothiadiazole as input to design a highly efficient red thermally activated delayed fluorescence emitter. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1363-1368.	2.7	116
99	Microscopic progression in the free radical addition reaction: modeling, geometry, energy, and kinetics. <i>Journal of Molecular Modeling</i> , 2017, 23, 73.	0.8	7
100	Naphthothiadiazole-Based Near-Infrared Emitter with a Photoluminescence Quantum Yield of 60% in Neat Film and External Quantum Efficiencies of up to 3.9% in Nondoped OLEDs. <i>Advanced Functional Materials</i> , 2017, 27, 1606384.	7.8	173
101	High-Efficiency Perovskite Solar Cells Based on New TPE Compounds as Hole Transport Materials: The Role of 2,7- and 3,6-Substituted Carbazole Derivatives. <i>Chemistry - A European Journal</i> , 2017, 23, 4373-4379.	1.7	74
102	An N-nitrosation reactivity-based two-photon fluorescent probe for the specific in situ detection of nitric oxide. <i>Chemical Science</i> , 2017, 8, 4533-4538.	3.7	115
103	A Novel Thiophene-Fused Ending Group Enabling an Excellent Small Molecule Acceptor for High-Performance Fullerene-Free Polymer Solar Cells with 11.8% Efficiency. <i>Solar Rrl</i> , 2017, 1, 1700044.	3.1	198
104	A two-dimensional molecule with a large conjugation degree: synthesis, two-photon absorption and charge transport ability. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5199-5206.	2.7	24
105	A Red Fluorescent Emitter with a Simultaneous Hybrid Local and Charge Transfer Excited State and Aggregation-Induced Emission for High-Efficiency, Low Efficiency Roll-Off OLEDs. <i>Advanced Optical Materials</i> , 2017, 5, 1700145.	3.6	51
106	Highly efficient red iridium($\text{Ir}(\text{III})$) complexes cyclometalated by 4-phenylthieno[3,2- <i>c</i>]quinoline ligands for phosphorescent OLEDs with external quantum efficiencies over 20%. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10220-10224.	2.7	47
107	Synthesis and properties of a series of quinoxaline-based copolymers: an example to understand the effect of the structure of the mainchain and sidechain on the charge transport ability of the polymers. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2085-2093.	3.2	9
108	Minimally Invasive Hemostatic Materials: Tackling a Dilemma of Fluidity and Adhesion by Photopolymerization in situ. <i>Scientific Reports</i> , 2017, 7, 15250.	1.6	12

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109	Pure Organic Emitter with Simultaneous Thermally Activated Delayed Fluorescence and Room-temperature Phosphorescence: Thermal-Controlled Triplet Recycling Channels. <i>Advanced Optical Materials</i> , 2017, 5, 1700588.	3.6	53
110	Replacement of Biphenyl by Bipyridine Enabling Powerful Hole Transport Materials for Efficient Perovskite Solar Cells. <i>ChemSusChem</i> , 2017, 10, 3833-3838.	3.6	54
111	Fluorine-substituted benzothiadiazole-based hole transport materials for highly efficient planar perovskite solar cells with a FF exceeding 80%. <i>Chemical Communications</i> , 2017, 53, 8719-8722.	2.2	94
112	A Two-Photon Dye with Favorable Photophysical Properties and Ultrahigh Polarity Sensitivity Designed by Utilizing the Tautomerism of β -Diketone. <i>Advanced Optical Materials</i> , 2017, 5, 1600696.	3.6	3
113	Optimizing Optoelectronic Properties of Pyrimidine-Based TADF Emitters by Changing the Substituent for Organic Light-Emitting Diodes with External Quantum Efficiency Close to 25% and Slow Efficiency Roll-Off. <i>Chemistry - A European Journal</i> , 2016, 22, 10860-10866.	1.7	111
114	Tailoring Optoelectronic Properties of Phenanthroline-Based Thermally Activated Delayed Fluorescence Emitters through Isomer Engineering. <i>Advanced Optical Materials</i> , 2016, 4, 1558-1566.	3.6	53
115	Hydrogen abstraction of carbon/phosphorus-containing radicals in photoassisted polymerization. <i>RSC Advances</i> , 2016, 6, 68952-68959.	1.7	5
116	Theoretical and Experimental Study of Light-assisted Polymerization by Multimechanism Action. <i>Scientific Reports</i> , 2016, 6, 38473.	1.6	6
117	Quantitative Estimation of Exciton Binding Energy of Polythiophene-Derived Polymers Using Polarizable Continuum Model Tuned Range-Separated Density Functional. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8048-8055.	1.5	56
118	Different Effect of the Additional Electron-Withdrawing Cyano Group in Different Conjugation Bridge: The Adjusted Molecular Energy Levels and Largely Improved Photovoltaic Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12134-12140.	4.0	28
119	Conjugated or Broken: The Introduction of Isolation Spacer ahead of the Anchoring Moiety and the Improved Device Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28652-28662.	4.0	14
120	Aggregation-Induced Emission and Aggregation-Promoted Photo-oxidation in Thiophene-Substituted Tetraphenylethylene Derivative. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2932-2937.	1.7	24
121	The structural and photophysical properties of multibranch derivatives with curved conjugated aromatic cores. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6054-6062.	2.7	9
122	Theoretical study of excited states of $\langle \text{sc} \rangle$ DNA $\langle \text{sc} \rangle$ base dimers and tetramers using optimally tuned range-separated density functional theory. <i>Journal of Computational Chemistry</i> , 2016, 37, 684-693.	1.5	30
123	Rational utilization of intramolecular and intermolecular hydrogen bonds to achieve desirable electron transporting materials with high mobility and high triplet energy. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1482-1489.	2.7	23
124	Polydimethylsiloxane/covalent triazine frameworks coated stir bar sorptive extraction coupled with high performance liquid chromatography-ultraviolet detection for the determination of phenols in environmental water samples. <i>Journal of Chromatography A</i> , 2016, 1441, 8-15.	1.8	93
125	Multi-carbazole encapsulation as a simple strategy for the construction of solution-processed, non-doped thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2442-2446.	2.7	150
126	D π -A π -A π -Type Organic Dyes for NiO-Based Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6850-6857.	1.2	16

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127	Pure Hydrocarbon Hosts for $\sim 100\%$ Exciton Harvesting in Both Phosphorescent and Fluorescent Light-Emitting Devices. <i>Advanced Materials</i> , 2015, 27, 4213-4217.	11.1	165
128	Tuning a Weak Emissive Blue Host to Highly Efficient Green Dopant by a CN in Tetracarbazolepyridines for Solution-Processed Thermally Activated Delayed Fluorescence Devices. <i>Advanced Optical Materials</i> , 2015, 3, 786-790.	3.6	102
129	The driving forces for twisted or planar intramolecular charge transfer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9248-9257.	1.3	92
130	Insights into dye design for efficient p-type photoelectrodes: effect of oligothiophene length between the donor and the NiO surface. <i>RSC Advances</i> , 2015, 5, 93652-93658.	1.7	13
131	Graphene oxide-TiO ₂ composite as a novel adsorbent for the preconcentration of heavy metals and rare earth elements in environmental samples followed by on-line inductively coupled plasma optical emission spectrometry detection. <i>RSC Advances</i> , 2015, 5, 5996-6005.	1.7	65
132	Near-Infrared Polymer Light-Emitting Diodes with High Efficiency and Low Efficiency Roll-off by Using Solution-Processed Iridium(III) Phosphors. <i>Chemistry of Materials</i> , 2015, 27, 96-104.	3.2	122
133	Molybdenum(ν) tris(dithiolene) complexes as a new class of three-dimensional two-photon absorption chromophores at telecommunications wavelengths. <i>Journal of Materials Chemistry C</i> , 2014, 2, 614-617.	2.7	6
134	A rational design of carbazole-based host materials with suitable spacer group towards highly-efficient blue phosphorescence. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6387.	2.7	31
135	A promising new nonlinear optical crystal with high laser damage threshold for application in the IR region: synthesis, crystal structure and properties of noncentrosymmetric CsHgBr ₃ . <i>Journal of Materials Chemistry C</i> , 2014, 2, 6796-6801.	2.7	20
136	Highly Efficient Simple-Structure Blue and All-Phosphor Warm-White Phosphorescent Organic Light-Emitting Diodes Enabled by Wide-Bandgap Tetraarylsilane-Based Functional Materials. <i>Advanced Functional Materials</i> , 2014, 24, 5710-5718.	7.8	55
137	Chiral speciation of selenoamino acids in biological samples. <i>Journal of Chromatography A</i> , 2014, 1363, 62-70.	1.8	11
138	Efficient Dye-Sensitized Solar Cells with Potential-Tunable Organic Sulfide Mediators and Graphene-Modified Carbon Counter Electrodes. <i>Advanced Functional Materials</i> , 2013, 23, 3344-3352.	7.8	18
139	Tetraphenylsilane derivatives spiro-annulated by triphenylamine/carbazole with enhanced HOMO energy levels and glass transition temperatures without lowering triplet energy: host materials for efficient blue phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2013, 1, 463-469.	2.7	57
140	Changing the shape of chromophores from π -H-type to π -star-type, increasing the macroscopic NLO effects by a large degree. <i>Polymer Chemistry</i> , 2013, 4, 378-386.	1.9	21
141	Hg ₂ Br ₃ : a new mixed halide nonlinear optical material in the infrared region. <i>CrystEngComm</i> , 2013, 15, 4196.	1.3	24
142	A new building block, bis(thiophene vinyl)-pyrimidine, for constructing excellent two-photon absorption materials: synthesis, crystal structure and properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 4343.	6.7	34
143	Effect of polymer chain conformation on field-effect transistor performance: synthesis and properties of two arylene imide based D-A copolymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 14639.	6.7	37
144	Novel pyrrole-based dyes for dye-sensitized solar cells: From rod-shape to π -H-type. <i>Journal of Materials Chemistry</i> , 2012, 22, 6689.	6.7	81

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145	New organic dyes containing tert-Butyl-capped N-Arylcarbazole moiety for Dye-sensitized solar cells. RSC Advances, 2012, 2, 7081.	1.7	28
146	Simple CBP isomers with high triplet energies for highly efficient blue electrophosphorescence. Journal of Materials Chemistry, 2012, 22, 2894-2899.	6.7	106
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