

Yuan-Ping Yi

List of Publications by Year in descending order

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276
papers

20,472
citations

10070

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14386

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all docs

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docs citations

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times ranked

18697
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Molecular Orientations of Aa€Dâ€A Nonfullerene Acceptors for Organic Photovoltaics: The Role of Endâ€Group ĩ€â€ĭ Stacking. <i>Advanced Functional Materials</i> , 2022, 32, 2108551.	7.8	20
2	Rational strategy of exciplex-type thermally activated delayed fluorescent (TADF) emitters: Stacking of donor and acceptor units of the intramolecular TADF molecule. <i>Chemical Engineering Journal</i> , 2022, 433, 133546.	6.6	11
3	Mechanism study on organic ternary photovoltaics with 18.3% certified efficiency: from molecule to device. <i>Energy and Environmental Science</i> , 2022, 15, 855-865.	15.6	62
4	Ladder Oxygenation of Group VIII Metal Clusters and the Formation of Metalloxocubes M₁₃O₈⁺. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 733-739.	2.1	5
5	Impact of n-Doping Mechanisms on the Molecular Packing and Electron Mobilities of Molecular Semiconductors for Organic Thermoelectrics. <i>Organic Materials</i> , 2022, 4, 1-6.	1.0	0
6	Dual-acceptor thermally activated delayed fluorescence emitters: Achieving high efficiency and long lifetime in orange-red OLEDs. <i>Chemical Engineering Journal</i> , 2022, 434, 134728.	6.6	10
7	Exciton Binding Energies in Organic Photovoltaic Materials: A Theoretical Perspective. <i>Journal of Physical Chemistry C</i> , 2022, 126, 14-21.	1.5	16
8	Thermally Stable Organic Fieldâ€Effect Transistors Based on Asymmetric BTBT Derivatives for High Performance Solarâ€Blind Photodetectors. <i>Advanced Science</i> , 2022, 9, e2106085.	5.6	16
9	Modulating Nonâ€Radiative Deactivation via Acceptor Reconstruction to Expand Highâ€Efficient Red Thermally Activated Delayed Fluorescent Emitters. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	11
10	Case Study of Metal Coordination to the Charge Transport and Thermal Stability of Porphyrin-Based Field-Effect Transistors. , 2022, 4, 548-553.		4
11	Molecular Insight into Efficient Charge Generation in Low-Driving-Force Nonfullerene Organic Solar Cells. <i>Accounts of Chemical Research</i> , 2022, 55, 869-877.	7.6	46
12	Fusing Thienoisindigo to the Conjugated Ribbons with Strong Absorption in the Second Near-Infrared Window. <i>CCS Chemistry</i> , 2022, 4, 3497-3504.	4.6	11
13	Stable organic light-emitting diodes based on thioxanthone derivative with shortened photoluminescence delayed lifetime. <i>Organic Electronics</i> , 2022, 104, 106490.	1.4	2
14	Nonâ€Equal Ratio Cocrystal Engineering to Improve Charge Transport Characteristics of Organic Semiconductors: A Case Study on Indolo[2,3â€a]carbazole. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	7
15	Enhancing Transition Dipole Moments of Heterocyclic Semiconductors via Rational Nitrogenâ€Substitution for Sensitive Near Infrared Detection. <i>Advanced Materials</i> , 2022, 34, e2201600.	11.1	19
16	Nonâ€Equal Ratio Cocrystal Engineering to Improve Charge Transport Characteristics of Organic Semiconductors: A Case Study on Indolo[2,3â€a]carbazole. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
17	Single photovoltaic material solar cells with enhanced exciton dissociation and extended electron diffusion. <i>Cell Reports Physical Science</i> , 2022, 3, 100895.	2.8	13
18	The Intrinsic Role of the Fusion Mode and Electronâ€Deficient Core in Fusedâ€Ring Electron Acceptors for Organic Photovoltaics. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	25

#	ARTICLE	IF	CITATIONS
19	The Intrinsic Role of the Fusion Mode and Electron-Deficient Core in Fused-Ring Electron Acceptors for Organic Photovoltaics. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
20	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie</i> , 2021, 133, 285-293.	1.6	7
21	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 281-289.	7.2	33
22	A Design Principle for Polar Assemblies with C ₃ -Sym Bowl-Shaped π -Conjugated Molecules. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3261-3267.	7.2	12
23	A Design Principle for Polar Assemblies with C ₃ -Sym Bowl-Shaped π -Conjugated Molecules. <i>Angewandte Chemie</i> , 2021, 133, 3298-3304.	1.6	3
24	Observing long-range non-fullerene backbone ordering in real-space to improve the charge transport properties of organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16733-16742.	5.2	16
25	Two-Dimensional and Subnanometer-Thin Quasi-Copper-Sulfide Semiconductor Formed upon Copper-Copper Bonding. <i>ACS Nano</i> , 2021, 15, 873-883.	7.3	12
26	Origin of High-Efficiency Near-Infrared Organic Thermally Activated Delayed Fluorescence: The Role of Electronic Polarization. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1249-1255.	1.5	11
27	Achieving 16.68% efficiency ternary as-cast organic solar cells. <i>Science China Chemistry</i> , 2021, 64, 581-589.	4.2	99
28	Importance of molecular rigidity on reducing the energy losses in organic solar cells: implication from geometric relaxations of A-D-A electron acceptors. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3903-3910.	3.2	16
29	Turning-on persistent luminescence out of chromium-doped zinc aluminate nanoparticles by instilling antisite defects under mild conditions. <i>Nanoscale</i> , 2021, 13, 8514-8523.	2.8	10
30	Molecular Origin of Carbon-Oxygen Bridge Isomerization Induced Reverse Aggregation Ability in Acceptor-Donor-Acceptor Electron Acceptors for Organic Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2000780.	3.1	5
31	New Synthetic Approaches to <i>N</i> -Aryl and π -Expanded Diketopyrrolopyrroles as New Building Blocks for Organic Optoelectronic Materials. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10700-10708.	7.2	33
32	Origin of Intramolecular Low-Threshold Amplified Spontaneous Emission. <i>Advanced Optical Materials</i> , 2021, 9, 2001956.	3.6	5
33	New Synthetic Approaches to <i>N</i> -Aryl and π -Expanded Diketopyrrolopyrroles as New Building Blocks for Organic Optoelectronic Materials. <i>Angewandte Chemie</i> , 2021, 133, 10795-10803.	1.6	3
34	Innentitelbild: New Synthetic Approaches to <i>N</i> -Aryl and π -Expanded Diketopyrrolopyrroles as New Building Blocks for Organic Optoelectronic Materials (Angew. Chem. 19/2021). <i>Angewandte Chemie</i> , 2021, 133, 10526-10526.	1.6	0
35	Non-fullerene acceptors with branched side chains and improved molecular packing to exceed 18% efficiency in organic solar cells. <i>Nature Energy</i> , 2021, 6, 605-613.	19.8	1,307
36	Alignment of linear polymeric grains for highly stable N-type thin-film transistors. <i>CheM</i> , 2021, 7, 1258-1270.	5.8	33

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37	Sub-5 nm single crystalline organic p-n heterojunctions. <i>Nature Communications</i> , 2021, 12, 2774.	5.8	39
38	Organic Solar Cells with 18% Efficiency Enabled by an Alloy Acceptor: A Two-in-One Strategy. <i>Advanced Materials</i> , 2021, 33, e2100830.	11.1	323
39	Small Exciton Binding Energies Enabling Direct Charge Photogeneration Towards Low-Driving-Force Organic Solar Cells. <i>Angewandte Chemie</i> , 2021, 133, 15476-15481.	1.6	22
40	Electrical Loss Management by Molecularly Manipulating Dopant-free Poly(3-hexylthiophene) towards 16.93% CsPbI ₂ Br Solar Cells. <i>Angewandte Chemie</i> , 2021, 133, 16524-16529.	1.6	18
41	Small Exciton Binding Energies Enabling Direct Charge Photogeneration Towards Low-Driving-Force Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15348-15353.	7.2	121
42	Electrical Loss Management by Molecularly Manipulating Dopant-free Poly(3-hexylthiophene) towards 16.93% CsPbI ₂ Br Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16388-16393.	7.2	57
43	Y6 and its derivatives: molecular design and physical mechanism. <i>National Science Review</i> , 2021, 8, nwab121.	4.6	40
44	A Bioinspired Adhesive-Integrated Agent Strategy for Constructing Robust Gas-Sensing Arrays. <i>Advanced Materials</i> , 2021, 33, e2106067.	11.1	11
45	Two-Channel Space Charge Transfer-Induced Thermally Activated Delayed Fluorescent Materials for Efficient OLEDs with Low Efficiency Roll-Off. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49066-49075.	4.0	17
46	Increasing donor-acceptor spacing for reduced voltage loss in organic solar cells. <i>Nature Communications</i> , 2021, 12, 6679.	5.8	56
47	Hydrogen-Rich 2D Halide Perovskite Scintillators for Fast Neutron Radiography. <i>Journal of the American Chemical Society</i> , 2021, 143, 21302-21311.	6.6	27
48	Heteroatom substitution-induced asymmetric A-D-A type non-fullerene acceptor for efficient organic solar cells. <i>Journal of Energy Chemistry</i> , 2020, 40, 144-150.	7.1	45
49	Electronic polarization in dipolar organic molecular semiconductors: The case study of 1,2,3,4-tetrafluoro-6,7-dimethylnaphthalene crystal. <i>Chinese Chemical Letters</i> , 2020, 31, 797-800.	4.8	4
50	Two-dimensional electronic and charge-transport properties of a monolayer organic crystal: Impacts of the collinear transfer-integral correlations. <i>Organic Electronics</i> , 2020, 78, 105609.	1.4	2
51	Dicyclohepta[<i>ijkl</i>], <i>uvwx</i>]rubicene with Two Pentagons and Two Heptagons as a Stable and Planar Nonbenzenoid Nanographene. <i>Angewandte Chemie</i> , 2020, 132, 3557-3561.	1.6	33
52	Dicyclohepta[<i>ijkl</i>], <i>uvwx</i>]rubicene with Two Pentagons and Two Heptagons as a Stable and Planar Nonbenzenoid Nanographene. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3529-3533.	7.2	82
53	Clustering-Triggered Efficient Room-Temperature Phosphorescence from Nonconventional Luminophores. <i>ChemPhysChem</i> , 2020, 21, 36-42.	1.0	39
54	Electron Hopping by Interfacing Semiconducting Graphdiyne Nanosheets and Redox Molecules for Selective Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 2074-2082.	6.6	63

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55	Accurate Determination of the Minimum HOMO Offset for Efficient Charge Generation using Organic Semiconducting Alloys. <i>Advanced Energy Materials</i> , 2020, 10, 1903298.	10.2	92
56	Intra-chain and inter-chain synergistic effect gives rise to high electron mobilities for naphthalenediimide based copolymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16527-16532.	2.7	10
57	Effective Modulation of Exciton Binding Energies in Polymorphs of a Small-Molecule Acceptor for Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10227-10232.	2.1	25
58	Unraveling the influence of non-fullerene acceptor molecular packing on photovoltaic performance of organic solar cells. <i>Nature Communications</i> , 2020, 11, 6005.	5.8	112
59	Longer and Stronger: Improving Persistent Luminescence in Size-Tuned Zinc Gallate Nanoparticles by Alcohol-Mediated Chromium Doping. <i>ACS Nano</i> , 2020, 14, 12113-12124.	7.3	50
60	Ferrocene as a highly volatile solid additive in non-fullerene organic solar cells with enhanced photovoltaic performance. <i>Energy and Environmental Science</i> , 2020, 13, 5117-5125.	15.6	93
61	Highly Efficient, Red Delayed Fluorescent Emitters with Exothermic Reverse Intersystem Crossing via Hot Excited Triplet States. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20816-20826.	1.5	14
62	Multi-channel exciton dissociation in D18/Y6 complexes for high-efficiency organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20408-20413.	5.2	35
63	Concurrent improvement in J_{SC} and V_{OC} in high-efficiency ternary organic solar cells enabled by a red-absorbing small-molecule acceptor with a high LUMO level. <i>Energy and Environmental Science</i> , 2020, 13, 2115-2123.	15.6	164
64	Triplet Acceptors with a D π A Structure and Twisted Conformation for Efficient Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15043-15049.	7.2	77
65	Triplet Acceptors with a D π A Structure and Twisted Conformation for Efficient Organic Solar Cells. <i>Angewandte Chemie</i> , 2020, 132, 15153-15159.	1.6	11
66	Bioinspired Multifunctional Organic Transistors Based on Natural Chlorophyll/Organic Semiconductors. <i>Advanced Materials</i> , 2020, 32, e2001227.	11.1	133
67	Suppressing triplet decay in quinoidal singlet fission materials: the role of molecular planarity and rigidity. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7546-7551.	1.3	4
68	Barrier-Free Charge Separation Enabled by Electronic Polarization in High-Efficiency Non-fullerene Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2585-2591.	2.1	47
69	Achieving an Efficient and Stable Morphology in Organic Solar Cells Via Fine-Tuning the Side Chains of Small-Molecule Acceptors. <i>Chemistry of Materials</i> , 2020, 32, 2593-2604.	3.2	91
70	Designing the efficient lithium diffusion and storage channels based on graphdiyne. <i>Carbon</i> , 2020, 162, 579-585.	5.4	26
71	Visualization of Crystallographic Orientation and Twist Angles in Two-Dimensional Crystals with an Optical Microscope. <i>Nano Letters</i> , 2020, 20, 6059-6066.	4.5	6
72	Controllable Synthesis of Graphdiyne Nanoribbons. <i>Angewandte Chemie</i> , 2020, 132, 4938-4943.	1.6	14

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73	Controllable Synthesis of Graphdiyne Nanoribbons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4908-4913.	7.2	71
74	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. <i>Angewandte Chemie</i> , 2020, 132, 4410-4414.	1.6	10
75	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4380-4384.	7.2	90
76	Doping mechanisms of N-DMBI-H for organic thermoelectrics: hydrogen removal vs. hydride transfer. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8323-8328.	5.2	66
77	Reducing the Singlet-Triplet Energy Gap by End-Group π - π Stacking Toward High-Efficiency Organic Photovoltaics. <i>Advanced Materials</i> , 2020, 32, e2000975.	11.1	77
78	High-Performance Fluorinated Fused-Ring Electron Acceptor with 3D Stacking and Exciton/Charge Transport. <i>Advanced Materials</i> , 2020, 32, e2000645.	11.1	122
79	Experimental Evidence for "Hot Exciton"-Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , 2019, 7, 1801190.	3.6	56
80	High-Yield and Damage-free Exfoliation of Layered Graphdiyne in Aqueous Phase. <i>Angewandte Chemie</i> , 2019, 131, 756-760.	1.6	10
81	Electronic, optical, and charge transport properties of A-A electron acceptors for organic solar cells: Impact of anti-aromatic π structures. <i>Chinese Chemical Letters</i> , 2019, 30, 211-216.	4.8	7
82	Achieving Small Exciton Binding Energies in Small Molecule Acceptors for Organic Solar Cells: Effect of Molecular Packing. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4888-4894.	2.1	60
83	Superexchange Induced Charge Transport in Organic Donor-Acceptor Cocrystals and Copolymers: A Theoretical Perspective. <i>Chemistry of Materials</i> , 2019, 31, 6424-6434.	3.2	39
84	Thermal-Driven Phase Separation of Double-Cable Polymers Enables Efficient Single-Component Organic Solar Cells. <i>Joule</i> , 2019, 3, 1765-1781.	11.7	124
85	Synthesis and Supramolecular Assembly of a Terrylene Diimide Derivative Decorated With Long Branched Alkyl Chains. <i>Frontiers in Chemistry</i> , 2019, 7, 473.	1.8	4
86	Impact of polymorphism on the optoelectronic properties of a low-bandgap semiconducting polymer. <i>Nature Communications</i> , 2019, 10, 2867.	5.8	89
87	Identification of FeN_4 as an Efficient Active Site for Electrochemical N_2 Reduction. <i>ACS Catalysis</i> , 2019, 9, 7311-7317.	5.5	220
88	Selenium-Substituted Diketopyrrolopyrrole Polymer for High-Performance p-Type Organic Thermoelectric Materials. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18994-18999.	7.2	136
89	Selenium-Substituted Diketopyrrolopyrrole Polymer for High-Performance p-Type Organic Thermoelectric Materials. <i>Angewandte Chemie</i> , 2019, 131, 19170-19175.	1.6	18
90	Angular-Fused Dithianaphthylquinone Derivative: Selective Synthesis, Thermally Activated Delayed Fluorescence Property, and Application in Organic Light-Emitting Diode. <i>Organic Letters</i> , 2019, 21, 8832-8836.	2.4	11

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91	Rational Tuning of Molecular Interaction and Energy Level Alignment Enables High-Performance Organic Photovoltaics. <i>Advanced Materials</i> , 2019, 31, e1904215.	11.1	162
92	Interfacial Passivation for Perovskite Solar Cells: The Effects of the Functional Group in Phenethylammonium Iodide. <i>ACS Energy Letters</i> , 2019, 4, 2913-2921.	8.8	176
93	Phthalimide-based π - π^* -emitters with thermally activated delayed fluorescence and isomer-dependent room-temperature phosphorescence properties. <i>Chemical Communications</i> , 2019, 55, 12172-12175.	2.2	21
94	Cyclohexyl-Substituted Anthracene Derivatives for High Thermal Stability Organic Semiconductors. <i>Frontiers in Chemistry</i> , 2019, 7, 11.	1.8	17
95	Origin of Photocurrent and Voltage Losses in Organic Solar Cells. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900067.	1.3	46
96	Nature of the Lowest Singlet and Triplet Excited States of Organic Thermally Activated Delayed Fluorescence Emitters: A Self-Consistent Quantum Mechanics/Embedded Charge Study. <i>Chemistry of Materials</i> , 2019, 31, 6665-6671.	3.2	46
97	Solution-processed white organic light-emitting diodes with bi-component emitting layer based on symmetry blue spiro-sulfone derivative. <i>Organic Electronics</i> , 2019, 71, 24-30.	1.4	19
98	Local Excitation/Charge-Transfer Hybridization Simultaneously Promotes Charge Generation and Reduces Nonradiative Voltage Loss in Nonfullerene Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2911-2918.	2.1	73
99	Electronic and optical properties of π -bridged perylene diimide derivatives: the role of π -bridges. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12532-12537.	5.2	9
100	Preparation and structure study of phosphorus-doped porous graphdiyne and its efficient lithium storage application. <i>2D Materials</i> , 2019, 6, 035020.	2.0	52
101	Air-Stable n-Type Thermoelectric Materials Enabled by Organic Diradicaloids. <i>Angewandte Chemie</i> , 2019, 131, 5012-5016.	1.6	64
102	Substitution Conformation Balances the Oscillator Strength and Singlet-Triplet Energy Gap for Highly Efficient π - π^* Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , 2019, 7, 1801767.	3.6	29
103	Intermolecular Interaction-Induced Thermally Activated Delayed Fluorescence Based on a Thiochromone Derivative. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1888-1893.	2.1	23
104	Sulfur vs. tellurium: the heteroatom effects on the nonfullerene acceptors. <i>Science China Chemistry</i> , 2019, 62, 897-903.	4.2	10
105	Air-Stable n-Type Thermoelectric Materials Enabled by Organic Diradicaloids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4958-4962.	7.2	92
106	Organic Semiconducting Alloys with Tunable Energy Levels. <i>Journal of the American Chemical Society</i> , 2019, 141, 6561-6568.	6.6	65
107	Titelbild: Selenium-Substituted Diketopyrrolopyrrole Polymer for High-Performance p-Type Organic Thermoelectric Materials (<i>Angew. Chem.</i> 52/2019). <i>Angewandte Chemie</i> , 2019, 131, 18893-18893.	1.6	1
108	Conformational and aggregation properties of PffBT4T polymers: atomistic insight into the impact of alkyl-chain branching positions. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14198-14204.	2.7	15

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109	High-Performance Ambipolar Polymers Based on Electron-Withdrawing Group Substituted Bay-Annulated Indigo. <i>Advanced Functional Materials</i> , 2019, 29, 1804839.	7.8	29
110	Direct Synthesis of Crystalline Graphdiyne Analogue Based on Supramolecular Interactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 48-52.	6.6	60
111	Improving the Electron Mobility of ITIC by End-Group Modulation: The Role of Fluorination and π -Extension. <i>Solar Rrl</i> , 2019, 3, 1800251.	3.1	32
112	Impact of alkyl chain branching positions on molecular packing and electron transport of dimeric perylenediimide derivatives. <i>Journal of Energy Chemistry</i> , 2019, 35, 138-143.	7.1	18
113	High-Yield and Damage-free Exfoliation of Layered Graphdiyne in Aqueous Phase. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 746-750.	7.2	79
114	Isomery-Dependent Miscibility Enables High-Performance All-Small-Molecule Solar Cells. <i>Small</i> , 2019, 15, 1804271.	5.2	50
115	Highly efficient white light-emitting diodes with a bi-component emitting layer based on blue and yellow thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2951-2956.	2.7	26
116	Regulation of excitation transitions by molecular design endowing full-color-tunable emissions with unexpected high quantum yields for bioimaging application. <i>Science China Chemistry</i> , 2018, 61, 418-426.	4.2	2
117	A nonfullerene acceptor utilizing a novel asymmetric multifused-ring core unit for highly efficient organic solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4873-4877.	2.7	73
118	Charge Mobility Enhancement for Conjugated DPP-Selenophene Polymer by Simply Replacing One Bulky Branching Alkyl Chain with Linear One at Each DPP Unit. <i>Chemistry of Materials</i> , 2018, 30, 3090-3100.	3.2	107
119	Innen- $\frac{1}{4}$ ctitelbild: Synthesis and Electronic Structure of Boron-Graphdiyne with an sp^2 -Hybridized Carbon Skeleton and Its Application in Sodium Storage (<i>Angew. Chem.</i> 15/2018). <i>Angewandte Chemie</i> , 2018, 130, 4169-4169.	1.6	7
120	Anchoring zero valence single atoms of nickel and iron on graphdiyne for hydrogen evolution. <i>Nature Communications</i> , 2018, 9, 1460.	5.8	781
121	Synthesis and Electronic Structure of Boron-Graphdiyne with an sp^2 -Hybridized Carbon Skeleton and Its Application in Sodium Storage. <i>Angewandte Chemie</i> , 2018, 130, 4032-4037.	1.6	47
122	Highly efficient blue organic light-emitting diodes from pyrimidine-based thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2351-2359.	2.7	58
123	From Molecular Packing Structures to Electronic Processes: Theoretical Simulations for Organic Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702743.	10.2	93
124	Copolymers of Bis-Diketopyrrolopyrrole and Benzothiadiazole Derivatives for High-Performance Ambipolar Field-Effect Transistors on Flexible Substrates. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25858-25865.	4.0	27
125	Decay of the Lowest Triplet State in Singlet-Fission Molecular Materials: A Case Study on Quinoidal Bithiophenes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3748-3755.	1.5	6
126	Synthesis and Electronic Structure of Boron-Graphdiyne with an sp^2 -Hybridized Carbon Skeleton and Its Application in Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3968-3973.	7.2	166

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127	Molecular Materials Property Prediction Package (MOMAP) 1.0: a software package for predicting the luminescent properties and mobility of organic functional materials. <i>Molecular Physics</i> , 2018, 116, 1078-1090.	0.8	222
128	Molecular Dual-Rotators with Large Consecutive Emission Chromism for Visualized and High-Pressure Sensing. <i>ACS Omega</i> , 2018, 3, 717-723.	1.6	1
129	Novel π -Conjugated Polymer Based on an Extended Thienoquinoid. <i>Chemistry of Materials</i> , 2018, 30, 319-323.	3.2	17
130	Tuning transport performance in two-dimensional metal-organic framework semiconductors: Role of the metal d band. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	53
131	Impact of Phonon Dispersion on Nonlocal Electron-Phonon Couplings in Organic Semiconductors: The Naphthalene Crystal as a Case Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 44-49.	1.5	18
132	Tunable Electron Donating and Accepting Properties Achieved by Modulating the Steric Hindrance of Side Chains in A-D-A Small-Molecule Photovoltaic Materials. <i>Chemistry of Materials</i> , 2018, 30, 619-628.	3.2	49
133	N-doped graphdiyne for high-performance electrochemical electrodes. <i>Nano Energy</i> , 2018, 44, 144-154.	8.2	182
134	Origin of High Efficiencies for Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes: Atomistic Insight into Molecular Orientation and Torsional Disorder. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27191-27197.	1.5	48
135	Suppressing charge recombination in small-molecule ternary organic solar cells by modulating donor-acceptor interfacial arrangements. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24570-24576.	1.3	13
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