

Dong Hoon Choi

List of Publications by Year in descending order

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331
papers

7,814
citations

66343

42
h-index

85541

71
g-index

333
all docs

333
docs citations

333
times ranked

8460
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation-induced emission luminogens for organic light-emitting diodes with a single-component emitting layer. <i>Aggregate</i> , 2023, 4, .	9.9	28
2	Porphyrin-cored amphiphilic star block copolymer photocatalysts: Hydrophobic-layer effects on photooxidation. <i>Materials Letters</i> , 2022, 311, 131577.	2.6	5
3	Mapping the broadband circular dichroism of copolymer films with supramolecular chirality in time and space. <i>Nature Communications</i> , 2022, 13, 210.	12.8	12
4	High-efficiency solution-processed green thermally activated delayed fluorescence OLEDs using a polymer-small molecule mixed host. <i>Polymer Chemistry</i> , 2022, 13, 1824-1830.	3.9	11
5	Polymer solar cells made with photocrosslinkable conjugated donor-acceptor block copolymers: improvement in the thermal stability and morphology with a single-component active layer. <i>Polymer Chemistry</i> , 2022, 13, 3335-3342.	3.9	3
6	Improved Photovoltaic Performance of Ternary All-Polymer Solar Cells by Incorporating a New Y6-based Polymer Acceptor and PC61BM. <i>Macromolecular Research</i> , 2022, 30, 587-596.	2.4	8
7	High hysteresis and distinctive optoelectronic memory effect for ambipolar thin-film transistors using a conjugated polymer having Donor-Acceptor heterojunction. <i>Organic Electronics</i> , 2022, , 106599.	2.6	1
8	Deep learning for development of organic optoelectronic devices: efficient prescreening of hosts and emitters in deep-blue fluorescent OLEDs. <i>Npj Computational Materials</i> , 2022, 8, .	8.7	9
9	Uniform Silver Nanowire Patterned Electrode on Robust PEN Substrate Using Poly(2-hydroxyethyl) Tj ETQq1 1 0.784314 rgBT ₃ /Overlo	8.0	3
10	Novel carbazole-acridine-based hole transport polymer for low turn-on voltage of green quantum dot light-emitting diodes. <i>Polymer Chemistry</i> , 2021, 12, 4714-4721.	3.9	3
11	Optimal Design of PEDOT:PSS Polymer-Based Silver Nanowire Electrodes for Realization of Flexible Polymer Solar Cells. <i>Macromolecular Research</i> , 2021, 29, 75-81.	2.4	15
12	Deep Learning Optical Spectroscopy Based on Experimental Database: Potential Applications to Molecular Design. <i>Jacs Au</i> , 2021, 1, 427-438.	7.9	61
13	Nonhalogenated Solvent-Processed High-Performance Indoor Photovoltaics Made of New Conjugated Terpolymers with Optimized Monomer Compositions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13487-13498.	8.0	14
14	Complementary absorbing ternary blend containing structural isomeric donor polymers for improving the performance of PC61BM-based indoor photovoltaics. <i>Polymer</i> , 2021, 221, 123606.	3.8	3
15	Improved Stability of All-Polymer Solar Cells Using Crosslinkable Donor and Acceptor Polymers Bearing Vinyl Moieties in the Side-Chains. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16754-16765.	8.0	11
16	Effect of Fused Thiophene Bridges on the Efficiency of Non-Fullerene Polymer Solar Cells made with Conjugated Donor Copolymers Containing Alkyl Thiophene-3-Carboxylate. <i>Macromolecular Research</i> , 2021, 29, 435-442.	2.4	10
17	Ultra-Deep-Blue Aggregation-Induced Delayed Fluorescence Emitters: Achieving Nearly 16% EQE in Solution-Processed Nondoped and Doped OLEDs with CIE $y < 0.1$. <i>Advanced Functional Materials</i> , 2021, 31, 2102588.	14.9	69
18	Comparison of the mechanical properties of polymer blend and main-chain conjugated copolymer films with donor-acceptor heterojunctions. <i>Chemical Engineering Journal</i> , 2021, 415, 128952.	12.7	8

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19	Donor engineered Deep-Blue emitters for tuning luminescence mechanism in Solution-Processed OLEDs. <i>Chemical Engineering Journal</i> , 2021, 416, 129185.	12.7	49
20	Pyrazine-based hollow spherical self-assemblies: A portable tool for detection of volatile organic amines. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130110.	7.8	12
21	New hole transport styrene polymers bearing highly π -extended conjugated side-chain moieties for high-performance solution-processable thermally activated delayed fluorescence OLEDs. <i>Polymer Chemistry</i> , 2021, 12, 1692-1699.	3.9	5
22	Novel V-Shaped Bipolar Host Materials for Solution-Processed Thermally Activated Delayed Fluorescence OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49076-49084.	8.0	21
23	Haze-enhanced ZnO/Ag/ZnO nanomesh electrode for flexible, high-efficiency indoor organic photovoltaics. <i>Journal of Power Sources</i> , 2021, 515, 230589.	7.8	6
24	Physical Properties of Thermally Crosslinked Fluorinated Polyimide and Its Application to a Liquid Crystal Alignment Layer. <i>Polymers</i> , 2021, 13, 3903.	4.5	1
25	Patterned Sandwich-Type Silver Nanowire-Based Flexible Electrode by Photolithography. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61463-61472.	8.0	11
26	Aryl-Annulated [3,2- <i>a</i>] Carbazole-Based Deep-Blue Soluble Emitters for High-Efficiency Solution-Processed Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes with CIE $y < 0.1$. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61454-61462.	8.0	27
27	Significantly Improved Morphology and Efficiency of Nonhalogenated Solvent-Processed Solar Cells Derived from a Conjugated Donor-Acceptor Block Copolymer. <i>Advanced Science</i> , 2020, 7, 1902470.	11.2	55
28	Optical assessment of chiral-achiral polymer blends based on surface plasmon resonance effects of gold nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 095102.	2.8	4
29	Pyrimidine-based bipolar host materials for high efficiency solution processed green thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2196-2204.	5.5	15
30	Universal polymeric bipolar hosts for highly efficient solution-processable blue and green thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16048-16056.	5.5	14
31	High-Performance, Solution-Processable Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes Realized via the Adjustment of the Composition of the Organoboron Acceptor Monomer in Copolymer Host Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35300-35310.	8.0	21
32	Asymmetric Host Molecule Bearing Pyridine Core for Highly Efficient Blue Thermally Activated Delayed Fluorescence OLEDs. <i>Chemistry - A European Journal</i> , 2020, 26, 16383-16391.	3.3	10
33	Dynamics of Photoinduced Energy Transfer in Fully and Partially Conjugated Polymers Bearing π -Extended Donor and Acceptor Monomers. <i>Frontiers in Chemistry</i> , 2020, 8, 605403.	3.6	2
34	Rational design of a main chain conjugated copolymer having donor-acceptor heterojunctions and its application in indoor photovoltaic cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20091-20100.	10.3	25
35	Direct Photolithographic Patterning of Colloidal Quantum Dots Enabled by UV-Crosslinkable and Hole-Transporting Polymer Ligands. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42153-42160.	8.0	38
36	Rational design, synthesis, and characterization of a photocrosslinkable hole-transporting polymer for high performance solution-processed thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4572-4579.	5.5	19

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37	5H-Benzo[d]Benzo[4,5]Imidazo[2,1-b][1,3]Thiazine as a Novel Electron-Acceptor Cored High Triplet Energy Bipolar Host Material for Efficient Solution-Processable Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2020, 8, 61.	3.6	9
38	Rational Design of Carbazole- and Carboline-Based Polymeric Host Materials for Realizing High-Efficiency Solution-Processed Thermally Activated Delayed Fluorescence Organic Light-Emitting Diode. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8485-8494.	8.0	21
39	Rational design of a novel isoindigo-based conjugated terpolymer with panchromatic absorption and its application to polymer solar cells. <i>Dyes and Pigments</i> , 2020, 179, 108391.	3.7	8
40	Achievement of high efficiency with extremely low efficiency roll-off in solution-processed thermally activated delayed fluorescence OLEDs manufactured using xanthone-based bipolar host materials. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6780-6787.	5.5	26
41	Structural isomers of 9-(pyridin-2-yl)-9H-carbazole in combination with 9- ² H-9,3':6- ² ,9- ³ -tercarbazole and their application to high efficiency solution processed green TADF OLEDs. <i>Dyes and Pigments</i> , 2020, 179, 108403.	3.7	10
42	Color-Tunable Boron-Based Emitters Exhibiting Aggregation-Induced Emission and Thermally Activated Delayed Fluorescence for Efficient Solution-Processable Nondoped Deep-Blue to Sky-Blue OLEDs. <i>Advanced Optical Materials</i> , 2020, 8, 1902175.	7.3	66
43	Highly efficient halochromic behaviors in solution and film states with 9,19-dichloro-5,15-dihydrocarbazolo[3- ² ,4':5,6][1,4]oxazino[2,3-b]indolo[3,2-h]phenoxazine derivative. <i>Dyes and Pigments</i> , 2019, 160, 372-377.	3.7	4
44	Novel molecular triad exhibiting aggregation-induced emission and thermally activated fluorescence for efficient non-doped organic light-emitting diodes. <i>Chemical Communications</i> , 2019, 55, 9475-9478.	4.1	28
45	Synthesis of a new wide-bandgap conjugated copolymer with 3-trifluoromethylthiophene monomer and Its application to non-fullerene polymer solar cells. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 686, 30-37.	0.9	1
46	Blue-emitting dendritic molecule with dual functionality as host and dopant for solution-processed white OLEDs with red-emitting material. <i>Synthetic Metals</i> , 2019, 258, 116198.	3.9	1
47	Ultrafast Broadband Transient Absorption and Circular Dichroism Reveal Relaxation of a Chiral Copolymer. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5160-5166.	4.6	16
48	Facile one-pot polymerization of a fully conjugated donor-acceptor block copolymer and its application in efficient single component polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21280-21289.	10.3	45
49	Recent breakthroughs in thermally activated delayed fluorescence organic light emitting diodes containing non-doped emitting layers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2172-2198.	5.5	145
50	Solution-processed white organic light-emitting diodes with blue fluorescent and orange-red thermally activated delayed fluorescent dendritic luminogens. <i>Dyes and Pigments</i> , 2019, 170, 107650.	3.7	11
51	Hole-Transporting Side-Chain Polymer Bearing a Thermally Crosslinkable Bicyclo[4.2.0]octa-1,3,5-trien-3-yl Group for High-Performing Thermally Activated Delayed Fluorescence OLED. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17602-17609.	8.0	29
52	Potentially self-dopable poly(3-hexylthiophene) block copolymers/carbon nanotube nanocomposites for enhanced processibility and electrical properties. <i>Composites Science and Technology</i> , 2019, 174, 149-157.	7.8	6
53	2D- π -2A type cruciform host material with silane core for highly efficient solution-processable green thermally activated delayed fluorescence organic light emitting diodes. <i>Dyes and Pigments</i> , 2019, 167, 120-126.	3.7	13
54	Chromenopyrazole-based bipolar host materials for solution-processable thermally activated delayed fluorescence OLEDs exhibiting high efficiency and low roll-off. <i>Chemical Communications</i> , 2019, 55, 12952-12955.	4.1	16

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55	Coherent acoustic phonon dynamics in chiral copolymers. <i>Structural Dynamics</i> , 2019, 6, 064502.	2.3	6
56	An excellent bipolar host material exhibiting EQE of 24.0% with small efficiency roll-off in solution-processable thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13930-13938.	5.5	18
57	High-efficiency non-fullerene polymer solar cell fabricated by a simple process using new conjugated terpolymers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 111-118.	5.5	21
58	A crucial factor affecting the power conversion efficiency of oxide/metal/oxide-based organic photovoltaics: Optical cavity versus transmittance. <i>Applied Energy</i> , 2019, 235, 1505-1513.	10.1	5
59	Solution-processed thermally activated delayed fluorescence organic light-emitting diodes using a new polymeric emitter containing non-conjugated cyclohexane units. <i>Polymer Chemistry</i> , 2018, 9, 1318-1326.	3.9	73
60	Highly efficient and highly stable terpolymer-based all-polymer solar cells with broad complementary absorption and robust morphology. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10095-10103.	10.3	29
61	Unconventional Three-Armed Luminogens Exhibiting Both Aggregation-Induced Emission and Thermally Activated Delayed Fluorescence Resulting in High-Performing Solution-Processed Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14966-14977.	8.0	53
62	New conjugated regular terpolymers based on diketopyrrolopyrrole-benzodithiophene and their application to thin film transistors and polymer solar cells. <i>Synthetic Metals</i> , 2018, 236, 36-43.	3.9	10
63	Tunable intrinsic semiconducting properties of diketopyrrolopyrrole-based copolymers with electron donating thiophene and electron accepting thiazole moieties. <i>Synthetic Metals</i> , 2018, 236, 1-7.	3.9	8
64	Novel dendritic large molecules as solution-processable thermally activated delayed fluorescent emitters for simple structured non-doped organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1160-1170.	5.5	34
65	High-performing random terpolymer-based nonfullerene polymer solar cells fabricated using solvent additive-free as-cast blend films. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1528-1535.	2.3	11
66	Novel wide-bandgap copolymer bearing alkylthio-thiophene-substituted benzodithiophene and methyl thiophene-3-carboxylate for highly stable fullerene-free simple polymer solar cells. <i>Organic Electronics</i> , 2018, 53, 151-159.	2.6	9
67	Improved performance of non-fullerene polymer solar cells by simple structural change of asymmetric acceptor based on indenothiophene. <i>Synthetic Metals</i> , 2018, 246, 164-171.	3.9	5
68	Influence of Branched Alkyl Ester-Labeled Side Chains on Specific Chain Arrangement and Charge-Transport Properties of Diketopyrrolopyrrole-Based Conjugated Polymers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40681-40691.	8.0	18
69	Synthesis of Conjugated Wide-Bandgap Copolymers Bearing Ladder-Type Donating Units and Their Application to Non-Fullerene Polymer Solar Cells. <i>Macromolecular Research</i> , 2018, 26, 844-850.	2.4	10
70	High-Performance Polymer Solar Cell with Single Active Material of Fully Conjugated Block Copolymer Composed of Wide-Band gap Donor and Narrow-Band gap Acceptor Blocks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18974-18983.	8.0	66
71	Chromenopyrazole-Based Bipolar Blue Host Materials for Highly Efficient Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2018, 30, 5005-5012.	6.7	35
72	Effect of a methyl thiophene-3-carboxylate bridge in an indacenodithiophene-based acceptor-donor-acceptor-type molecule on the performance of non-fullerene polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7549-7556.	5.5	21

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73	Regioisomeric π -conjugated terpolymers bearing carboxylate substituted thienothiophenyl quaterthiophene and their application to fullerene-free polymer solar cells. <i>Polymer</i> , 2018, 146, 142-150.	3.8	7
74	Highly efficient bipolar host materials towards solution-processable blue and green thermally activated delayed fluorescence organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10000-10009.	5.5	28
75	Quinoxaline-based π -conjugated polymers for organic solar cells: Probing the effect of quinoxaline side chains and fluorine substitution on the power conversion efficiency. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1209-1218.	2.3	8
76	Excellent Long-Term Stability of Power Conversion Efficiency in Non-Fullerene-Based Polymer Solar Cells Bearing Tricyanovinylene-Functionalized n-Type Small Molecules. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8838-8847.	8.0	46
77	Autoxidation in amide-based electrolyte and its suppression for enhanced oxygen efficiency and cycle performance in non-aqueous lithium oxygen battery. <i>Journal of Power Sources</i> , 2017, 347, 186-192.	7.8	12
78	(D) _n - π -f(A) _m type partially conjugated block copolymer and its performance in single-component polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9745-9751.	10.3	37
79	Eco-Friendly Solvent-Processed Fullerene-Free Polymer Solar Cells with over 9.7% Efficiency and Long-Term Performance Stability. <i>Advanced Energy Materials</i> , 2017, 7, 1700566.	19.5	97
80	Metal-oxide assisted surface treatment of polyimide gate insulators for high-performance organic thin-film transistors. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15521-15529.	2.8	11
81	A new n-type semiconducting molecule with an asymmetric indenothiophene core for a high-performing non-fullerene type organic solar cell. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7182-7190.	5.5	26
82	Optimized structure of silane-core containing host materials for highly efficient blue TADF OLEDs. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6570-6577.	5.5	39
83	Polymer Solar Cells: Eco-Friendly Solvent-Processed Fullerene-Free Polymer Solar Cells with over 9.7% Efficiency and Long-Term Performance Stability (<i>Adv. Energy Mater.</i> 19/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	19.5	1
84	Two Regioisomeric π -Conjugated Small Molecules: Synthesis, Photophysical, Packing, and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2017, 27, 1701942.	14.9	27
85	Ambipolar charge transport in a donor-acceptor-donor-type conjugated block copolymer and its gate-voltage-controlled thin film transistor memory. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3223-3235.	2.3	8
86	Structural optimization of large acceptor-donor-acceptor-type molecules for improved performance of fullerene-free polymer solar cells. <i>RSC Advances</i> , 2017, 7, 38773-38779.	3.6	12
87	Enhanced Efficiency and Long-Term Stability of Perovskite Solar Cells by Synergistic Effect of Nonhygroscopic Doping in Conjugated Polymer-Based Hole-Transporting Layer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43846-43854.	8.0	51
88	Effect of acceptor strength in new acceptor-donor-acceptor-type molecules on their miscibility with donor polymers for bulk-heterojunction fullerene-free solar cells. <i>Dyes and Pigments</i> , 2017, 146, 226-233.	3.7	17
89	Perylene diimide isomers containing a simple sp ³ -core for non-fullerene-based polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 663-671.	10.3	22
90	New π -Conjugated polymers containing 4H,4 <i>H</i> [1,1 <i>H</i>]bithieno [3,4 <i>C</i>]pyrrole-4,4 <i>H</i> ,6,6 <i>H</i> -(5 <i>H</i> ,5 <i>H</i>)tetraone (bTPD) units and their application to thin-film transistors and photovoltaic cells. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1228-1235.	10.3	21

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91	Regular conjugated terpolymers comprising two different acceptors and bithiophene donor in repeating group: Effect of strong and weak acceptors on semiconducting properties. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1339-1347.	2.3	6
92	Diketopyrrolopyrrole-based three-armed conjugated small molecule and their charge transport property. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 635, 80-86.	0.9	0
93	High-performance bipolar host materials for blue TADF devices with excellent external quantum efficiencies. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4512-4520.	5.5	63
94	Isindigo-based polymer solar cells with high open circuit voltages up to 1.01 V. <i>Organic Electronics</i> , 2016, 34, 157-163.	2.6	17
95	Importance of varying electron-accepting moieties in regular conjugated terpolymers for use in polymer solar cells. <i>Organic Electronics</i> , 2016, 38, 256-263.	2.6	10
96	Diketopyrrolopyrrole-based conjugated small molecules bearing two different acceptor moieties for organic solar cells. <i>Synthetic Metals</i> , 2016, 221, 39-47.	3.9	5
97	High-performance n-type field-effect transistors based on a highly crystalline tricyanovinylidihydrofuran derivative. <i>Chemical Communications</i> , 2016, 52, 13012-13015.	4.1	4
98	Ternary polymer solar cell based on two donors and one acceptor for improving morphology and power conversion efficiency. <i>Synthetic Metals</i> , 2016, 220, 362-368.	3.9	5
99	Controlled synthesis of multi-armed P3HT star polymers with gold nanoparticle core. <i>RSC Advances</i> , 2016, 6, 49206-49213.	3.6	10
100	Regular terpolymers with fluorinated bithiophene units for high-performing photovoltaic cells. <i>Polymer Chemistry</i> , 2016, 7, 5069-5078.	3.9	17
101	Thermally activated delayed fluorescence blue dopants and hosts: from the design strategy to organic light-emitting diode applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11355-11381.	5.5	162
102	Side-chain engineering of diketopyrrolopyrrole-based copolymer using alkyl ester group for efficient polymer solar cell. <i>Macromolecular Research</i> , 2016, 24, 980-985.	2.4	16
103	Effect of the thiophene and selenophene moiety in regular terpolymers on the performance of thin film transistors and polymer solar cells. <i>Polymer</i> , 2016, 94, 43-52.	3.8	15
104	New M- and V-shaped perylene diimide small molecules for high-performance nonfullerene polymer solar cells. <i>Chemical Communications</i> , 2016, 52, 8873-8876.	4.1	48
105	Molecular-weight engineering of high-performing diketopyrrolopyrrole-based copolymer bearing high π -extended long donating units. <i>Polymer</i> , 2016, 83, 77-84.	3.8	11
106	A diketopyrrolopyrrole-based regular terpolymer bearing two different π -extended donor units and its application in solar cells. <i>Organic Electronics</i> , 2016, 31, 198-206.	2.6	14
107	New fluorene-based chiral copolymers with unusually high optical activity in pristine and annealed thin films. <i>RSC Advances</i> , 2016, 6, 23879-23886.	3.6	18
108	Circular dichroism, surface-enhanced Raman scattering, and spectroscopic ellipsometry studies of chiral polyfluorene-phenylene films. <i>Optical Materials Express</i> , 2016, 6, 767.	3.0	14

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109	Dithienothiophene- π -diketopyrrolopyrrole-containing copolymers with alkyl side-chain and their application to polymer solar cells. <i>Synthetic Metals</i> , 2016, 212, 167-173.	3.9	9
110	A phenothiazine-based "naked-eye" fluorescent probe for the dual detection of Hg ²⁺ and Cu ²⁺ : Application as a solid state sensor. <i>Dyes and Pigments</i> , 2016, 125, 1-7.	3.7	64
111	A bifunctional colorimetric fluorescent probe for Hg ²⁺ and Cu ²⁺ based on a carbazole- π -pyrimidine conjugate: chromogenic and fluorogenic recognition on TLC, silica-gel and filter paper. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7149-7153.	2.8	32
112	New acceptor- π -donor- π -acceptor-type conjugated molecules bearing naphtho[1,2-b:5,6-b']dithiophene and (E)-1,2-di(thiophen-2-yl)ethene and their applications in thin-film transistors and photovoltaic cells. <i>Synthetic Metals</i> , 2015, 206, 24-32.	3.9	9
113	Enhanced Performance of Polymer Solar Cells Comprising Diketopyrrolopyrrole-Based Regular Terpolymer Bearing Two Different π -Extended Donor Units. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28303-28310.	8.0	35
114	Synthesis and Characterization of New Dibenzothiophene-based Host Materials for Blue Phosphorescent Organic Light-Emitting Diodes. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 621, 31-39.	0.9	0
115	Bis(thienothiophenyl) Diketopyrrolopyrrole-Based Conjugated Polymers with Various Branched Alkyl Side Chains and Their Applications in Thin-Film Transistors and Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3280-3288.	8.0	52
116	Effect of branched alkyl side chains on the performance of thin-film transistors and photovoltaic cells fabricated with isoindigo-based conjugated polymers. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1226-1234.	2.3	23
117	Molecular design of large-bandgap host materials and their application to blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2015, 26, 218-224.	2.6	7
118	High-Performing Thin-Film Transistors in Large Spherulites of Conjugated Polymer Formed by Epitaxial Growth on Removable Organic Crystalline Templates. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13431-13439.	8.0	21
119	Tunable light harvesting properties of a highly crystalline alternating terpolymer for high-performing solar cells. <i>Polymer Chemistry</i> , 2015, 6, 5478-5486.	3.9	21
120	Semiconducting π -extended porphyrin dimer and its characteristics in OFET and OPVC. <i>Synthetic Metals</i> , 2015, 205, 206-211.	3.9	12
121	High Aspect Ratio Conjugated Polymer Nanowires for High Performance Field-Effect Transistors and Phototransistors. <i>ACS Nano</i> , 2015, 9, 5264-5274.	14.6	76
122	Diketopyrrolopyrrole-tellurophene polymer for fast, selective, and reversible detection of bromine in solution, vapor, and solid states: A systematic study. <i>Dyes and Pigments</i> , 2015, 123, 317-322.	3.7	6
123	New π -extended triphenylene-based organic semiconductors in field-effect transistors. <i>Synthetic Metals</i> , 2015, 209, 434-440.	3.9	9
124	π -Conjugated polymers derived from 2,5-bis(2-decyltetradecyl)-3,6-di(selenophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione for high-performance thin film transistors. <i>Polymer Chemistry</i> , 2015, 6, 1777-1785.	3.9	32
125	Low-bandgap biophotonic nanoblend: A platform for systemic disease targeting and functional imaging. <i>Biomaterials</i> , 2015, 39, 225-233.	11.4	17
126	Diketopyrrolopyrrole: brilliant red pigment dye-based fluorescent probes and their applications. <i>Chemical Society Reviews</i> , 2015, 44, 58-77.	38.1	352

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