

# Yun-Hi Kim

## List of Publications by Year in descending order

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287  
papers

10,568  
citations

44069

48  
h-index

43889

91  
g-index

296  
all docs

296  
docs citations

296  
times ranked

9657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Breaking the Efficiency Limit of Deep-Blue Fluorescent OLEDs Based on Anthracene Derivatives. <i>Advanced Materials</i> , 2022, 34, e2100161.	21.0	53
2	Importance of High-Electron Mobility in Polymer Acceptors for Efficient All-Polymer Solar Cells: Combined Engineering of Backbone Building Unit and Regioregularity. <i>Advanced Functional Materials</i> , 2022, 32, 2108508.	14.9	41
3	The effect of molecular aggregation of thermally activated delayed fluorescence sensitizers for hyperfluorescence in organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4705-4716.	5.5	6
4	acceptor under halogen light illumination. <i>Journal of Power Sources</i> , 2022, 518, 230782.	7.8	25
5	Synergistic Engineering of Side Chains and Backbone Regioregularity of Polymer Acceptors for High-Performance All-Polymer Solar Cells with 15.1% Efficiency. <i>Advanced Energy Materials</i> , 2022, 12, 2103239.	19.5	46
6	Breaking the Efficiency Limit of Deep-Blue Fluorescent OLEDs Based on Anthracene Derivatives (Adv.) <i>Tj ETQqO 0,0 rgBT /Overlock 10</i>	21.0	0
7	New Bithiophene Extended IDIC-Based Non-Fullerene Acceptors and Organic Photovoltaics Thereof. <i>Molecules</i> , 2022, 27, 1113.	3.8	1
8	Revisiting carbazole-based polymer donors for efficient and thermally stable polymer solar cells: structural utility of coplanar $\pi$ -bridged spacers. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9408-9418.	10.3	12
9	Diketopyrrolopyrrole (DPP)-Based Polymers and Their Organic Field-Effect Transistor Applications: A Review. <i>Macromolecular Research</i> , 2022, 30, 71-84.	2.4	28
10	A Molecular-Switch-Embedded Organic Photodiode for Capturing Images against Strong Backlight. <i>Advanced Materials</i> , 2022, 34, e2200526.	21.0	8
11	Boron-Based Multi-Resonance TADF Emitter with Suppressed Intermolecular Interaction and Isomer Formation for Efficient Pure Blue OLEDs. <i>Small</i> , 2022, 18, e2107574.	10.0	40
12	Effect of the Selective Halogenation of Small Molecule Acceptors on the Blend Morphology and Voltage Loss of High-Performance Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	27
13	Random copolymers with different Cl position for optimizing morphology with acceptor. <i>Dyes and Pigments</i> , 2022, 201, 110136.	3.7	2
14	The Role of Long-Alkyl-Group Spacers in Glycolated Copolymers for High-Performance Organic Electrochemical Transistors. <i>Advanced Materials</i> , 2022, 34, e2202574.	21.0	21
15	Naphthalene-Diimide-Based Small Molecule Containing a Thienothiophene Linker for n-Type Organic Field-Effect Transistors. <i>Macromolecular Research</i> , 2022, 30, 470-476.	2.4	4
16	2D Outer Side Chain-Incorporated Y Acceptors for Highly Efficient Organic Solar Cells with Nonhalogenated Solvent and Annealing-Free Process. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	5.8	9
17	Solution-processed sky-blue phosphorescent organic light-emitting diodes based on 2-(5,9-dioxo-13b-boranaphtho[3,2,1-de]anthracene-8-yl)-4-(trimethylsilyl)pyridine chelated iridium complex. <i>Journal of Information Display</i> , 2022, 23, 273-279.	4.0	1
18	Control of the horizontal dipole ratio and emission color of deep blue tetradentate Pt(II) complexes using aliphatic spacer groups. <i>Chemical Engineering Journal</i> , 2022, 450, 137836.	12.7	11

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19	Synthesis and characterization of homoleptic triply cyclometalated iridium(III) complex containing 6-(pyridin-2-yl)isoquinoline moiety for solution-processable orange-phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2021, 185, 108880.	3.7	10
20	Enhanced doping efficiency and thermoelectric performance of diketopyrrolopyrrole-based conjugated polymers with extended thiophene donors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 340-347.	5.5	15
21	Highly efficient orange phosphorescent organic light-emitting diodes with (4-(3,5-dimethylphenyl)-2-(m-tolyl)pyridine)-based iridium complex. <i>Dyes and Pigments</i> , 2021, 186, 109006.	3.7	4
22	Efficient, Thermally Stable, and Mechanically Robust All-Polymer Solar Cells Consisting of the Same Benzodithiophene Unit-Based Polymer Acceptor and Donor with High Molecular Compatibility. <i>Advanced Energy Materials</i> , 2021, 11, 2003367.	19.5	122
23	New 3,8-difluoro indoloindole-based copolymers for organic solar cell. <i>International Journal of Energy Research</i> , 2021, 45, 7806-7813.	4.5	1
24	Tris(4-(1-phenyl-1H-benzimidazole)phenyl)phosphine oxide for enhanced mobility and restricted traps in photovoltaic interlayers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3642-3651.	5.5	2
25	Structural influence of a dichalcogenopheno-1,3,4-chalcogenodiazole comonomer on the optoelectronic properties of diketopyrrolopyrrole-based conjugated polymers. <i>Polymer Chemistry</i> , 2021, 12, 1758-1767.	3.9	0
26	Highly Efficient Deep Blue Phosphorescent OLEDs Based on Tetradentate Pt(II) Complexes Containing Adamantyl Spacer Groups. <i>Advanced Functional Materials</i> , 2021, 31, 2100967.	14.9	45
27	Effect of Source-Drain Electric Field on Charge Transport Mechanism in Polymer-Based Thin-Film Transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000753.	1.8	4
28	Selenium-Substituted Non-Fullerene Acceptors: A Route to Superior Operational Stability for Organic Bulk Heterojunction Solar Cells. <i>ACS Nano</i> , 2021, 15, 7700-7712.	14.6	36
29	Extended Thiazole-Containing Polymer Semiconductor for Balanced Charge-Carrier Mobilities. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000741.	3.9	5
30	Importance of Terminal Group Pairing of Polymer Donor and Small-Molecule Acceptor in Optimizing Blend Morphology and Voltage Loss of High-Performance Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2100870.	14.9	34
31	Direct Observation of Confinement Effects of Semiconducting Polymers in Polymer Blend Electronic Systems. <i>Advanced Science</i> , 2021, 8, 2100332.	11.2	12
32	Dihedral Angle Distribution of Thermally Activated Delayed Fluorescence Molecules in Solids Induces Dual Phosphorescence from Charge-Transfer and Local Triplet States. <i>Chemistry of Materials</i> , 2021, 33, 5618-5630.	6.7	31
33	A Solution-Processed Cathode Interfacial Layer Facilitates Efficient Energy Level Alignment in Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20067-20075.	3.1	1
34	Thienothiophenyl-Isoquinoline Iridium Complex-Based Deep Red to Near-Infrared Organic Light-Emitting Diodes with Low Driving Voltage and High Radiant Emittance for Practical Biomedical Applications. <i>Advanced Photonics Research</i> , 2021, 2, 2100121.	3.6	13
35	Enhanced N-Type Doping of a Naphthalene Diimide Based Copolymer by Modification of the Donor Unit. <i>Advanced Electronic Materials</i> , 2021, 7, 2100407.	5.1	10
36	Enhancing Doping Efficiency of Diketopyrrolopyrrole-Copolymers by Introducing Sparse Intramolecular Alkyl Chain Spacing. <i>Macromolecules</i> , 2021, 54, 7870-7879.	4.8	7

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37	Green solvent-processed, high-performance organic solar cells achieved by outer side-chain selection of selenophene-incorporated Y-series acceptors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24622-24630.	10.3	34
38	A sub-150-nanometre-thick and ultraconformable solution-processed all-organic transistor. <i>Nature Communications</i> , 2021, 12, 5842.	12.8	34
39	Donor-Acceptor Alternating Copolymer Compatibilizers for Thermally Stable, Mechanically Robust, and High-Performance Organic Solar Cells. <i>ACS Nano</i> , 2021, 15, 19970-19980.	14.6	38
40	Molecular engineering of non-fullerene acceptors based on thiophene-fused end groups for fullerene-free organic solar cells. <i>Dyes and Pigments</i> , 2021, , 109987.	3.7	2
41	Doping and Thermoelectric Behaviors of Donor-Acceptor Polymers with Extended Planar Backbone. <i>Macromolecular Research</i> , 2021, 29, 887-894.	2.4	7
42	On the Publication of the Special Issue 48th World Polymer Congress (IUPAC-MACRO2020+). <i>Macromolecular Research</i> , 2021, 29, 833-833.	2.4	0
43	Synthesis of Cyclopentadithiophene-Diketopyrrolopyrrole Donor-Acceptor Copolymers for High-Performance Nonvolatile Floating-Gate Memory Transistors with Long Retention Time. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2743-2752.	8.0	22
44	Efficient solution processed hybrid white organic light-emitting diodes based on a blue thermally activated delayed fluorescence emitter. <i>Thin Solid Films</i> , 2020, 695, 137753.	1.8	8
45	Highly Efficient Deep-Blue OLEDs using a TADF Emitter with a Narrow Emission Spectrum and High Horizontal Emitting Dipole Ratio. <i>Advanced Materials</i> , 2020, 32, e2004083.	21.0	170
46	Effects of Bulk Heterojunction Morphology Control via Thermal Annealing on the Fill Factor of Anthracene-based Polymer Solar Cells. <i>Macromolecular Research</i> , 2020, 28, 820-825.	2.4	12
47	A Tuned Alternating D-A Copolymer Hole-Transport Layer Enables Colloidal Quantum Dot Solar Cells with Superior Fill Factor and Efficiency. <i>Advanced Materials</i> , 2020, 32, e2004985.	21.0	56
48	Molecular-Scale Strategies to Achieve High Efficiency and Low Efficiency Roll-off in Simplified Solution-Processed Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2020, 30, 2005292.	14.9	21
49	Effect of High-Speed Blade Coating on Electrical Characteristics in Polymer Based Transistors. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5486-5490.	0.9	3
50	Effect of <i>ortho</i> -biphenyl substitution on the excited state dynamics of a multi-carbazole TADF molecule. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12075-12084.	5.5	29
51	Naphthalene Diimide-Based Terpolymers with Controlled Crystalline Properties for Producing High Electron Mobility and Optimal Blend Morphology in All-Polymer Solar Cells. <i>Chemistry of Materials</i> , 2020, 32, 2572-2582.	6.7	64
52	Design Strategy of Anthracene-Based Fluorophores toward High-Efficiency Deep Blue Organic Light-Emitting Diodes Utilizing Triplet-Triplet Fusion. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 15422-15429.	8.0	40
53	Synthesis and Characterization of Poly(triethylsilylethynylanthradithiophene-bithiazole) for Organic Thin Film Transistor. <i>Macromolecular Research</i> , 2020, 28, 789-792.	2.4	1
54	Spirobifluorene-based non-fullerene acceptors for the environmentally benign process. <i>Dyes and Pigments</i> , 2020, 180, 108369.	3.7	4

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55	A novel design of donor-acceptor polymer semiconductors for printed electronics: application to transistors and gas sensors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8410-8419.	5.5	27
56	Understanding the Performance of Organic Photovoltaics under Indoor and Outdoor Conditions: Effects of Chlorination of Donor Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 23181-23189.	8.0	35
57	Selective Soxhlets extraction to enhance solubility of newly-synthesized poly(indoloindole-selenophene vinylene selenophene) donor for photovoltaic applications. <i>Nano Convergence</i> , 2020, 7, 9.	12.1	9
58	High-Efficiency Diphenylpyrimidine Derivatives Blue Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2020, 8, 356.	3.6	3
59	Indoloindole-based small molecule bulk heterojunction small molecule solar cells. <i>Dyes and Pigments</i> , 2019, 161, 419-426.	3.7	6
60	Organic Electronics: Universal Route to Impart Orthogonality to Polymer Semiconductors for Sub-Micrometer Tandem Electronics ( <i>Adv. Mater.</i> 28/2019). <i>Advanced Materials</i> , 2019, 31, 1970204.	21.0	0
61	Molecular Engineering of a Donor-Acceptor Polymer To Realize Single Band Absorption toward a Red-Selective Thin-Film Organic Photodiode. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28106-28114.	8.0	25
62	Importance of Blade-Coating Temperature for Diketopyrrolopyrrole-based Thin-Film Transistors. <i>Crystals</i> , 2019, 9, 346.	2.2	6
63	Side chain engineering in DTBDDT-based small molecules for efficient organic photovoltaics. <i>Nanoscale</i> , 2019, 11, 13845-13852.	5.6	2
64	Electrohydrodynamic-Jet (EHD)-Printed Diketopyrrolopyrrole-Based Copolymer for OFETs and Circuit Applications. <i>Polymers</i> , 2019, 11, 1759.	4.5	6
65	Acene-Modified Small-Molecule Donors for Organic Photovoltaics. <i>Chemistry - A European Journal</i> , 2019, 25, 12233-12233.	3.3	0
66	Effect of Backbone Sequence of a Naphthalene Diimide-Based Copolymer on Performance in n-Type Organic Thin-Film Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35185-35192.	8.0	14
67	Phenazasiline/Spiroacridine Donor Combined with Methyl-Substituted Linkers for Efficient Deep Blue Thermally Activated Delayed Fluorescence Emitters. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7199-7207.	8.0	61
68	Acene-Modified Small-Molecule Donors for Organic Photovoltaics. <i>Chemistry - A European Journal</i> , 2019, 25, 12316-12324.	3.3	5
69	Bistaggered Contact Geometry for Symmetric Dual-Gate Organic TFTs. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 3118-3123.	3.0	7
70	Highly efficient solution-processed blue organic light-emitting diodes based on thermally activated delayed fluorescence emitters with spiroacridine donor. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 78, 265-270.	5.8	14
71	Universal Route to Impart Orthogonality to Polymer Semiconductors for Sub-Micrometer Tandem Electronics. <i>Advanced Materials</i> , 2019, 31, e1901400.	21.0	16
72	A spiro-silafluorene-phenazasiline donor-based efficient blue thermally activated delayed fluorescence emitter and its host-dependent device characteristics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4191-4198.	5.5	25

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73	Multi-scale ordering in highly stretchable polymer semiconducting films. <i>Nature Materials</i> , 2019, 18, 594-601.	27.5	251
74	Controlling Horizontal Dipole Orientation and Emission Spectrum of Ir Complexes by Chemical Design of Ancillary Ligands for Efficient Deep Blue Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2019, 31, e1808102.	21.0	105
75	Synthesis of Alkoxyacene-Based Random Copolymers and Binary Solvent Additive for High Efficiency Organic Photovoltaics. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900409.	2.2	0
76	Non-halogenated solution-processed ambipolar plastic transistors based on conjugated polymers prepared by asymmetric donor engineering. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14977-14985.	5.5	9
77	Enhanced Triplet-Triplet Annihilation of Blue Fluorescent Organic Light-Emitting Diodes by Generating Excitons in Trapped Charge-Free Regions. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 48121-48127.	8.0	17
78	New Fused Pyrrolopyridine-Based Copolymers for Organic Solar Cell. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1800784.	3.9	5
79	New blue phosphorescence from trifluorosulfonyl-substituted iridium complexes. <i>Dyes and Pigments</i> , 2019, 163, 684-691.	3.7	4
80	Morphology Driven by Molecular Structure of Thiazole-Based Polymers for Use in Field-Effect Transistors and Solar Cells. <i>Chemistry - A European Journal</i> , 2019, 25, 649-656.	3.3	9
81	High-performance ambipolar benzodifurandione-based donor-acceptor copolymer with balanced hole and electron mobility. <i>Dyes and Pigments</i> , 2019, 162, 481-486.	3.7	6
82	Triplet Harvesting by a Fluorescent Emitter Using a Phosphorescent Sensitizer for Blue Organic-Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 26-30.	8.0	50
83	End-group tuning of DTBDT-based small molecules for organic photovoltaics. <i>Dyes and Pigments</i> , 2018, 157, 93-100.	3.7	15
84	Diffraction X-ray Waveguiding Reveals Orthogonal Crystalline Stratification in Conjugated Polymer Thin Films. <i>Macromolecules</i> , 2018, 51, 2979-2987.	4.8	29
85	Tattoo-Paper Transfer as a Versatile Platform for All-Printed Organic Edible Electronics. <i>Advanced Materials</i> , 2018, 30, e1706091.	21.0	92
86	LC-MS/MS profiling of polyphenol-enriched leaf, stem and root extracts of Korean <i>Humulus japonicus</i> Siebold & Zucc and determination of their antioxidant effects. <i>Biomedical Chromatography</i> , 2018, 32, e4171.	1.7	13
87	Improving the Performance and Stability of Inverted Planar Flexible Perovskite Solar Cells Employing a Novel NDI-Based Polymer as the Electron Transport Layer. <i>Advanced Energy Materials</i> , 2018, 8, 1702872.	19.5	104
88	Ambipolar charge transport of diketopyrrolopyrrole-silole-based copolymers and effect of side chain engineering: Compact model parameter extraction strategy for high-voltage logic applications. <i>Organic Electronics</i> , 2018, 54, 1-8.	2.6	6
89	Strategies for the Molecular Design of Donor-Acceptor-type Fluorescent Emitters for Efficient Deep Blue Organic Light Emitting Diodes. <i>Chemistry of Materials</i> , 2018, 30, 857-863.	6.7	85
90	Twisted Linker Effect on Naphthalene Diimide-Based Dimer Electron Acceptors for Non-fullerene Organic Solar Cells. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800108.	3.9	8

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91	Design of New Isoindigo-Based Copolymer for Ambipolar Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2018, 10, 13774-13782.	8.0	20
92	Synthesis and characterization of highly soluble phenanthro[1,10,9,8-c,d,e,f,g]carbazole-based copolymer: Effects of thermal treatment on crystalline order and charge carrier mobility. Dyes and Pigments, 2018, 149, 560-565.	3.7	6
93	Synthesis and characterization of new TPD-based copolymers and applications in bulk heterojunction solar cells. Macromolecular Research, 2018, 26, 29-34.	2.4	17
94	Fabrication of High Performance, Narrowband Blue-Selective Polymer Photodiodes with Dialkoxynaphthalene-Based Conjugated Polymer. ACS Photonics, 2018, 5, 636-641.	6.6	25
95	A new ambipolar copolymer for organic electronics. Journal of Information Display, 2018, 19, 1-5.	4.0	0
96	Orange electrophosphorescence based on bis(3,5-dimethylphenyl)pyridine iridium (III) complexes for non-halogenated solution processable phosphorescent organic light-emitting diodes. Dyes and Pigments, 2018, 149, 719-727.	3.7	5
97	Synthesis and characterization of heptafluorosulfonyl-substituted iridium complexes for blue phosphorescent organic light emitting diodes. Molecular Crystals and Liquid Crystals, 2018, 676, 83-94.	0.9	1
98	Two TPD-Based Conjugated Polymers: Synthesis and Photovoltaic Applications as Donor Materials. Macromolecular Research, 2018, 26, 1193-1199.	2.4	8
99	Novel naphthalene-diimide-based small molecule with a bithiophene linker for use in organic field-effect transistors. Organic Electronics, 2018, 63, 250-256.	2.6	18
100	Effective Molecular Engineering Approach for Employing a Halogen-Free Solvent for the Fabrication of Solution-Processed Small-Molecule Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 39107-39115.	8.0	13
101	Effects of varying the lengths of the donor units in $\pi$ -extended thienothiophene isoindigo-based polymer semiconductors. Journal of Materials Chemistry C, 2018, 6, 9972-9980.	5.5	13
102	Understanding Structure-Property Relationships in All-Small-Molecule Solar Cells Incorporating a Fullerene or Nonfullerene Acceptor. ACS Applied Materials & Interfaces, 2018, 10, 36037-36046.	8.0	21
103	Preferential Orientation of Tetrahedral Silicon-Based Hosts in Phosphorescent Organic Light-Emitting Diodes. ACS Omega, 2018, 3, 9989-9996.	3.5	9
104	Low-Voltage, Printed, All-Polymer Integrated Circuits Employing a Low-Leakage and High-Yield Polymer Dielectric. Advanced Electronic Materials, 2018, 4, 1800340.	5.1	34
105	Control of Concentration of Nonhydrogen-Bonded Hydroxyl Groups in Polymer Dielectrics for Organic Field-Effect Transistors with Operational Stability. ACS Applied Materials & Interfaces, 2018, 10, 24055-24063.	8.0	32
106	Macromol. Rapid Commun. 14/2018. Macromolecular Rapid Communications, 2018, 39, 1870034.	3.9	0
107	Lensfree OLEDs with over 50% external quantum efficiency via external scattering and horizontally oriented emitters. Nature Communications, 2018, 9, 3207.	12.8	96
108	Synthetic Approach for Enhancing Semiconductor Properties of Water-Borne DPP-Copolymer. Chemistry of Materials, 2018, 30, 4808-4815.	6.7	17

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109	Highly stretchable polymer semiconductor films through the nanoconfinement effect. <i>Science</i> , 2017, 355, 59-64.	12.6	897
110	Water-Gated n-Type Organic Field-Effect Transistors for Complementary Integrated Circuits Operating in an Aqueous Environment. <i>ACS Omega</i> , 2017, 2, 1-10.	3.5	35
111	Synthesis and characterization of diphenylamine derivative containing malononitrile for thermally activated delayed fluorescent emitter. <i>Dyes and Pigments</i> , 2017, 140, 14-21.	3.7	22
112	Semiconducting/insulating polymer blends with dual phase separation for organic field-effect transistors. <i>RSC Advances</i> , 2017, 7, 7526-7530.	3.6	18
113	Synthesis and characterization of perfluorinated phenyl-substituted Ir(III) complex for pure green emission. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3107-3111.	5.5	17
114	Low-Temperature, Solution-Processed, 3-D Complementary Organic FETs on Flexible Substrate. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 1955-1959.	3.0	20
115	A novel small molecule based on dithienophosphole oxide for bulk heterojunction solar cells without pre- or post-treatments. <i>Dyes and Pigments</i> , 2017, 142, 516-523.	3.7	11
116	Effect of vacuum treatment in diketopyrrolopyrrole (DPP) based copolymer with ratio controlled toluene- and benzene- functional groups for efficient organic photovoltaic cells: Morphological and electrical contribution. <i>Organic Electronics</i> , 2017, 46, 183-191.	2.6	6
117	Naphthalene diimide-based small molecule acceptors for fullerene-free organic solar cells. <i>Solar Energy</i> , 2017, 150, 90-95.	6.1	30
118	Azasiline-based thermally activated delayed fluorescence emitters for blue organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1027-1032.	5.5	46
119	A New Dithienopyridine-Based Polymer for an Organic Electronics. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5792-5795.	0.9	0
120	Fine Molecular Tuning of Diketopyrrolopyrrole-Based Polymer Semiconductors for Efficient Charge Transport: Effects of Intramolecular Conjugation Structure. <i>Macromolecules</i> , 2017, 50, 4227-4234.	4.8	31
121	Low-band gap copolymers based on diketopyrrolopyrrole and dibenzosilole and their application in organic photovoltaics. <i>Dyes and Pigments</i> , 2017, 146, 73-81.	3.7	5
122	Effect of alkyl chain spacer on charge transport in n-type dominant polymer semiconductors with a diketopyrrolopyrrole-thiophene-bithiazole acceptor-donor-acceptor unit. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3616-3622.	5.5	23
123	Dimethylsilyl-linked anthracene-pyrene dimers and their efficient triplet-triplet annihilation in organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1090-1094.	5.5	32
124	Indolo[3,2-b]indole-Containing Donor-Acceptor Copolymers for High-Efficiency Organic Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 2135-2140.	6.7	40
125	Directionally Aligned Amorphous Polymer Chains via Electrohydrodynamic-Jet Printing: Analysis of Morphology and Polymer Field-Effect Transistor Characteristics. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39493-39501.	8.0	17
126	Universal selection rule for surfactants used in miniemulsion processes for eco-friendly and high performance polymer semiconductors. <i>Energy and Environmental Science</i> , 2017, 10, 2324-2333.	30.8	32

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127	All-Small-Molecule Solar Cells Incorporating NDI-Based Acceptors: Synthesis and Full Characterization. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44667-44677.	8.0	29
128	Phenanthro[110,9,8-cdefg]carbazole-Thiophene, Donor-Donor Copolymer for Narrow Band Green-Selective Organic Photodiode. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15931-15936.	3.1	31
129	Two BDT-TPP-Based Polymer Semiconductors: It's Characterization and Application for Photovoltaics. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5656-5661.	0.9	0
130	A dithienophosphole-thienylenevinylene-based donor-acceptor copolymer for organic field-effect transistors. <i>Macromolecular Research</i> , 2016, 24, 629-633.	2.4	14
131	Two dibenzo[Def, Mno]chrysene-based polymeric semiconductors: Surprisingly opposite device performances in field-effect transistors and solar cells. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2559-2570.	2.3	14
132	Donor-acceptor-structured naphthodithiophene-based copolymers for organic thin-film transistors. <i>Journal of Polymer Science Part A</i> , 2016, 54, 525-531.	2.3	6
133	High-Mobility Naphthalene Diimide and Selenophene-Vinylene-Based Conjugated Polymer: Channel Organic Field-Effect Transistors and Structure-Property Relationship. <i>Advanced Functional Materials</i> , 2016, 26, 4984-4997.	14.9	75
134	Synthesis of thiophene-based polymeric semiconductor with high aromatic density and its application in organic thin-film transistors. <i>Macromolecular Research</i> , 2016, 24, 1077-1083.	2.4	3
135	Determination of process-related impurities in N-acetylglucosamine prepared by chemical and enzymatic methods: structural elucidation and quantification. <i>Archives of Pharmacal Research</i> , 2016, 39, 937-945.	6.3	0
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272	Sterically Hindered and Highly Thermal Stable Spirobifluorenyl-Substituted Poly(p-phenylenevinylene) for Light-Emitting Diodes. <i>Macromolecules</i> , 2003, 36, 3222-3227.	4.8	27
273	SYNTHESIS AND ELECTROOPTICAL PROPERTIES OF NOVEL PPV DERIVATIVES CONTAINING 1,3,4-OXADIAZOLE. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 405, 27-32.	0.9	2
274	Synthesis and Light Emitting Properties of Poly (Biphenylenevinylene) Derivative with Bulky Substituent. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 377, 105-108.	0.9	1
275	Novel Blue Organic Light Emitting Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 377, 19-23.	0.9	3
276	Synthesis and Characteristics of Novel Poly (Terphenylenevinylene) Derivative Containing Benzoxazolyl Group. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 377, 113-116.	0.9	1
277	New Blue Light Emitting Polymers Having the Characters of PPP and PPV. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 377, 109-112.	0.9	2
278	Synthesis and characterization of novel blue light emitting poly[4,4'-biphenylene( $\pm$ -phenylvinylene)]. <i>Journal of Materials Chemistry</i> , 2002, 12, 1280-1283.	6.7	24
279	The possibility of 1,3,4-oxadiazole containing polymer as a new polymer electrode in redox supercapacitor. <i>Macromolecular Research</i> , 2002, 10, 40-43.	2.4	9
280	Synthesis and characterization of new organosoluble and gas-permeable polyimides from bulky substituted pyromellitic dianhydrides. <i>Journal of Polymer Science Part A</i> , 2002, 40, 4288-4296.	2.3	28
281	SYNTHESIS AND PROPERTIES OF POLY(1,6-HEPTADIYNE) HAVING A BULKY AND RIGID t-BUTYLBENZOYL GROUP. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2000, 37, 1185-1197.	2.2	0
282	A novel bright blue electroluminescent polymer: poly[4,4'-biphenylene( $\pm$ -(9,9-dihexyl-3-fluorenyl)vinylene)]. <i>Macromolecular Symposia</i> , 2000, 154, 171-176.	0.7	3
283	Synthesis of a novel highly conjugated conducting polymer. <i>Journal of Polymer Science Part A</i> , 1998, 36, 949-953.	2.3	2
284	Influence of an Amide-Functionalized Monomeric Unit on the Morphology and Electronic Properties of Non-Fullerene Polymer Solar Cells. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 0, , 1.	4.9	1
285	Rational Understanding of Substituent Effects on Multi Carbazole Thermally Activated Delayed Fluorescent Emitters. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	2
286	Synthesis and characterization of triethylsilylethynyl anthradithiophene with bithiophene end-groups for OTFT device. <i>Molecular Crystals and Liquid Crystals</i> , 0, , 1-6.	0.9	0
287	Synthesis and characterization of polythiophene containing side chain electron acceptor for OPV. <i>Molecular Crystals and Liquid Crystals</i> , 0, , 1-10.	0.9	0