Ullrich Scherf

List of Publications by Year
in descending order

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737 papers	41,981 citations	2213 99 h-index	4545 171 g-index
792 all docs	792 docs citations	792 times ranked	25443 citing authors

#	Article	IF	Citations
1	Enhancing Electrochemical Transistors Based on Polymer-Wrapped (6,5) Carbon Nanotube Networks with Ethylene Glycol Side Chains. ACS Applied Materials & Interfaces, 2022, 14, 8209-8217.	4.0	7
2	Static and Dynamic Disorder of Charge Transfer States Probed by Optical Spectroscopy. Advanced Energy Materials, 2022, 12, .	10.2	7
3	Organic Synaptic Diodes Based on Polymeric Mixed Ionicâ€Electronic Conductors. Advanced Electronic Materials, 2022, 8, .	2.6	3
4	Klaus MÃ¼llen: Honoring the pioneer in nanographene chemistry. Journal of Polymer Science, 2022, 60, 1795-1796.	2.0	0
5	Tracking Exciton Diffusion and Exciton Annihilation in Single Nanoparticles of Conjugated Polymers by Photon Correlation Spectroscopy. Advanced Optical Materials, 2022, 10, 2200092.	3.6	2
6	Charge Transport in Highâ€Mobility Fieldâ€Effect Transistors Based on Inkjet Printed Random Networks of Polymer Wrapped Singleâ€Walled Carbon Nanotubes. Advanced Functional Materials, 2021, 31, 2006895.	7.8	18
7	Polymeric near infrared emitters with bay-annulated indigo moieties. Materials Advances, 2021, 2, 3736-3743.	2.6	3
8	Functional Microporous Polymer Networks: Synthesis and Applications. , 2021, , 65-85.		0
9	Tunable excitonâ€“polariton condensation in a two-dimensional Lieb lattice at room temperature. Communications Physics, 2021, 4, .	2.0	22
10	Development of Quantum Dot (QD) Based Color Converters for Multicolor Display. Nanomaterials, 2021, 11, 1089.	1.9	5
11	Ionic Conductivity in Polyfluorene-Based Diblock Copolymers Comprising Nanodomains of a Polymerized Ionic Liquid and a Solid Polymer Electrolyte Doped with LiTFSI. Macromolecules, 2021, 54, 4257-4268.	2.2	12
12	Reductive Coupling Synthesis of a Soluble Poly(9,10-anthrylene ethynylene). Organic Materials, 2021, 03, 184-190.	1.0	0
13	Tuning Jâ€aggregate Formation and Emission Efficiency in Cationic Diazapentacenium Dyes. Chemistry - A European Journal, 2021, 27, 7826-7830.	1.7	6
14	Cationic Diazapentacenium Polymers Made in a Sequence of Cï£¿N Cross Coupling Polymerization and Acidâ€Mediated Postpolymerization Cyclization. Macromolecular Rapid Communications, 2021, 42, 2100370.	2.0	0
15	Fluorescence Studies on a Thermoresponsive PNIPAM-Polyfluorene Graft Copolymer. Macromolecules, 2021, 54, 7612-7620.	2.2	6
16	Single-photon nonlinearity at room temperature. Nature, 2021, 597, 493-497.	13.7	77
17	Unexpectedly flexible graphene nanoribbons with a polyacene ladder skeleton. Journal of Materials Chemistry C, 2021, 9, 16208-16216.	2.7	9
18	Electrooxidative generation of polymer films from rigid tricarbazole monomers. RSC Advances, 2021, 11, 4654-4659.	1.7	1

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19	One-Step, Room Temperature Synthesis of Well-Defined, Organo-Soluble Multifunctional Aromatic Polyimides. Macromolecules, 2021, 54, 10870-10882.	2.2	10
20	Structurally simple OLEDs based on a new fluorinated poly(oxindolylidenearylene). Dyes and Pigments, 2020, 173, 107989.	2.0	13
21	Designing highly fluorescent, arylated poly(phenylene vinylene)s of intrinsic microporosity. Journal of Materials Chemistry C, 2020, 8, 2248-2257.	2.7	13
22	Ultrafast Single-Molecule Fluorescence Measured by Femtosecond Double-Pulse Excitation Photon Antibunching. Nano Letters, 2020, 20, 1074-1079.	4.5	19
23	Boosting Oxygen Reduction of Single Iron Active Sites via Geometric and Electronic Engineering: Nitrogen and Phosphorus Dual Coordination. Journal of the American Chemical Society, 2020, 142, 2404-2412.	6.6	680
24	Customizing the Polarity of Singleâ€Walled Carbonâ€Nanotube Fieldâ€Effect Transistors Using Solutionâ€Based Additives. Advanced Electronic Materials, 2020, 6, 1900789.	2.6	11
25	Synaptic Plasticity in Semiconducting Singleâ€Walled Carbon Nanotubes Transistors. Advanced Intelligent Systems, 2020, 2, 2000154.	3.3	6
26	Spiropyranâ€Functionalized Polymerâ€"Carbon Nanotube Hybrids for Dynamic Optical Memory Devices and UV Sensors. Advanced Electronic Materials, 2020, 6, 2000717.	2.6	18
27	Restricted Aggregate Formation on Tetraphenylethene-Substituted Polythiophenes. Journal of Physical Chemistry C, 2020, 124, 13956-13965.	1.5	13
28	Dynamic Quenching of Triplet Excitons in Single Conjugated-Polymer Chains. Journal of Physical Chemistry Letters, 2020, 11, 5192-5198.	2.1	5
29	Trapâ€Assisted Triplet Emission in Ladderâ€Polymerâ€Based Lightâ€Emitting Diodes. Advanced Electronic Materials, 2020, 6, 2000082.	2.6	5
30	Reliably Estimating the Length of the Effectively Conjugated Segment in Ladder Poly(para-phenylene)s. Organic Materials, 2020, 02, 159-164.	1.0	3
31	An Organic Borate Salt with Superior pâ€Doping Capability for Organic Semiconductors. Advanced Science, 2020, 7, 2001322.	5.6	32
32	What Determines the Glass Temperature and dc-Conductivity in Imidazolium-Polymerized Ionic Liquids with a Polythiophene Backbone?. Macromolecules, 2020, 53, 3535-3550.	2.2	18
33	Tuning the Exciton Diffusion Coefficient of Polyfluorene Based Semiconducting Polymers. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800500.	1.2	4
34	Two-photon induced ultrafast coherence decay of highly excited states in single molecules. New Journal of Physics, 2019, 21, 045001.	1.2	7
35	POXINAR Membrane Family for Gas Separation. Industrial & Engineering Chemistry Research, 2019, 58, 15280-15287.	1.8	19
36	Thin Functional Polymer Films by Electropolymerization. Nanomaterials, 2019, 9, 1125.	1.9	30

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37	Doping-Dependent Energy Transfer from Conjugated Polyelectrolytes to (6,5) Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2019, 123, 22680-22689.	1.5	7
38	Neutral, Ï€-Radical-Conjugated Microporous Polymer Films of Nanoscale Thickness for Potential Use in Magnetoelectronics and Sensor Devices. ACS Applied Nano Materials, 2019, 2, 4832-4841.	2.4	17
39	Luminescent Solar Concentrators Based on Energy Transfer from an Aggregation-Induced Emitter Conjugated Polymer. ACS Applied Polymer Materials, 2019, 1, 3039-3047.	2.0	42
40	Aromatic polymers made by reductive polydehalogenation of oligocyclic monomers as conjugated polymers of intrinsic microporosity (C-PIMs). Polymer Chemistry, 2019, 10, 5200-5205.	1.9	7
41	Ï€-Expanded diketopyrrolopyrroles as acceptor building blocks for the formation of novel donorâ€“acceptor copolymers. Polymer Chemistry, 2019, 10, 627-632.	1.9	17
42	Remarkably Stable, Highâ€Quality Semiconducting Singleâ€Walled Carbon Nanotube Inks for Highly Reproducible Fieldâ€Effect Transistors. Advanced Electronic Materials, 2019, 5, 1900288.	2.6	15
43	Direct Arylation Polycondensation (DAP) Synthesis of Alternating Quaterthiopheneâˆ’Benzothiadiazole Copolymers for Organic Solar Cell Applications. ChemPlusChem, 2019, 84, 1249-1252.	1.3	6
44	Direct observation of state-filling at hybrid tin oxide/organic interfaces. Applied Physics Letters, 2019, 114, .	1.5	4
45	Poly(9â€undecylâ€9â€methylâ€fluorene) and poly(9â€pentadecylâ€9â€methylâ€fluorene): Synthesis, solution structure, and effect of side chain asymmetry on aggregation behavior. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 826-837.	2.4	3
46	What is the Binding Energy of a Charge Transfer State in an Organic Solar Cell?. Advanced Energy Materials, 2019, 9, 1900814.	10.2	52
47	A room-temperature organic polariton transistor. Nature Photonics, 2019, 13, 378-383.	15.6	176
48	Measuring structural inhomogeneity of a helical conjugated polymer at high pressure and temperature. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 392-396.	2.4	1
49	Ladder-Type Polymers and Ladder-Type Polyelectrolytes with On-Chain Dibenz[a,h]anthracene Chromophores. Macromolecules, 2019, 52, 3115-3122.	2.2	15
50	In situ nanoarchitecturing and active-site engineering toward highly efficient carbonaceous electrocatalysts. Nano Energy, 2019, 59, 207-215.	8.2	54
51	All-Optical Exciton-Polariton Transistor at Room Temperature. , 2019, , .		2
52	Understanding the Selection Mechanism of the Polymer Wrapping Technique toward Semiconducting Carbon Nanotubes. Small Methods, 2018, 2, 1700335.	4.6	17
53	Î±,Î²-Unsubstituted meso-positioning thienyl BODIPY: a promising electron deficient building block for the development of near infrared (NIR) p-type donorâ€“acceptor (Dâ€“A) conjugated polymers. Journal of Materials Chemistry C, 2018, 6, 4030-4040.	2.7	22
54	Conjugated polymers containing tetraphenylethylene in the backbones and side-chains for highly sensitive TNT detection. RSC Advances, 2018, 8, 5760-5767.	1.7	32

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55	On the Molecular Origin of Charge Separation at the Donorâ€“Acceptor Interface. Advanced Energy Materials, 2018, 8, 1702232.	10.2	51
56	Synergetic Contribution of Boron and Feâ€“N_x Species in Porous Carbons toward Efficient Electrocatalysts for Oxygen Reduction Reaction. ACS Energy Letters, 2018, 3, 252-260.	8.8	269
57	New nâ€Type Solution Processable All Conjugated Polymer Network: Synthesis, Optoelectronic Characterization, and Application in Organic Solar Cells. Macromolecular Rapid Communications, 2018, 39, 1700629.	2.0	7
58	High Pressure Structural Studies of Conjugated Molecules. Materials and Energy, 2018, , 175-187.	2.5	0
59	From Broadband to Electrochromic Notch Filters with Printed Monochiral Carbon Nanotubes. ACS Applied Materials & Interfaces, 2018, 10, 11135-11142.	4.0	36
60	A Generalized Packing Model for Bulk Crystalline Regioregular Poly(3â€alkylthiophenes) with Extended Side Chains. Macromolecular Chemistry and Physics, 2018, 219, 1700266.	1.1	12
61	Room-Temperature Exciton-Polariton Condensation in a Tunable Zero-Dimensional Microcavity. ACS Photonics, 2018, 5, 85-89.	3.2	33
62	Alternating donorâ€“acceptor indigo-cyclopentadithiophene copolymers: competition between excited state conformational relaxation, energy transfer and excited state proton transfer. Materials Chemistry Frontiers, 2018, 2, 281-290.	3.2	7
63	Cyclopentadithiophene derivatives: a step towards an understanding of thiophene copolymer excited state deactivation pathways. Materials Chemistry Frontiers, 2018, 2, 149-156.	3.2	9
64	Enhancing Quantum Dot Solar Cells Stability with a Semiconducting Singleâ€Walled Carbon Nanotubes Interlayer Below the Top Anode. Advanced Materials Interfaces, 2018, 5, 1801155.	1.9	23
65	Scope and Limitations of the Dehydrogenative Generation of Graphenic Nanoribbons from Methyleneâ€Bridged, Aromatic Ladder Polymers. Macromolecular Rapid Communications, 2018, 39, e1800569.	2.0	3
66	Synthesis of High Molecular Weight 1,4-Polynaphthalene for Solution-Processed True Color Blue Light Emitting Diode. Macromolecules, 2018, 51, 8324-8329.	2.2	7
67	Nanometer-Thick Conjugated Microporous Polymer Films for Selective and Sensitive Vapor-Phase TNT Detection. ACS Applied Nano Materials, 2018, 1, 6483-6492.	2.4	32
68	Aggregation-Induced Emission in Phenothiazineâ€“TPE and âˆ’TPAN Polymers. Macromolecules, 2018, 51, 8501-8512.	2.2	39
69	Visualizing Hidden Ultrafast Processes in Individual Molecules by Single-Pulse Coherent Control. Journal of the American Chemical Society, 2018, 140, 15329-15335.	6.6	9
70	Two Anthracene-Based Copolymers as the Hole-Transporting Materials for High-Performance Inverted (p-i-n) Perovskite Solar Cells. Macromolecules, 2018, 51, 7407-7416.	2.2	10
71	Temperature-Dependent Charge Transport in Polymer-Sorted Semiconducting Carbon Nanotube Networks with Different Diameter Distributions. Journal of Physical Chemistry C, 2018, 122, 19886-19896.	1.5	45
72	Tetraphenylethylene-BODIPY aggregation-induced emission luminogens for near-infrared polymer light-emitting diodes. Science China Chemistry, 2018, 61, 932-939.	4.2	60

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73	Suppressing the Surface Recombination and Tuning the Open-Circuit Voltage of Polymer/Fullerene Solar Cells by Implementing an Aggregative Ternary Compound. ACS Applied Materials & Interfaces, 2018, 10, 28803-28811.	4.0	15
74	Effects of Charge Density on Photophysics and Aggregation Behavior of Anionic Fluorene-Arylene Conjugated Polyelectrolytes. Polymers, 2018, 10, 258.	2.0	6
75	Polymerâ€“Nanocarbon Topological and Electronic Interface. Langmuir, 2018, 34, 6225-6230.	1.6	5
76	Electrochemically Generated Conjugated Microporous Polymer Network Thin Films for Chemical Sensor Applications. Macromolecular Chemistry and Physics, 2018, 219, 1800207.	1.1	25
77	Polymerized Ionic Liquids with Polythiophene Backbones: Self-Assembly, Thermal Properties, and Ion Conduction. Macromolecules, 2018, 51, 6440-6450.	2.2	25
78	Porous organic polymers as emerging new materials for organic photovoltaic applications: current status and future challenges. Materials Horizons, 2017, 4, 546-556.	6.4	125
79	2D Heterostructures Derived from MoS₂â€Templated, Cobaltâ€Containing Conjugated Microporous Polymer Sandwiches for the Oxygen Reduction Reaction and Electrochemical Energy Storage. ChemElectroChem, 2017, 4, 709-715.	1.7	30
80	BODIPY-based polymeric dyes as emerging horizon materials for biological sensing and organic electronic applications. Progress in Polymer Science, 2017, 71, 26-52.	11.8	67
81	Beyond Donor-Acceptor (D-A) Approach: Structure-Optoelectronic Properties-Organic Photovoltaic Performance Correlation in New D-A₁-D-A₂Low-Bandgap Conjugated Polymers. Macromolecular Rapid Communications, 2017, 38, 1600720.	2.0	20
82	Interplay of localized pyrene chromophores and Ï€-conjugation in novel poly(2,7-pyrene) ladder polymers. Journal of Chemical Physics, 2017, 146, 174903.	1.2	10
83	Highly Efficient Solid-State Near-infrared Organic Light-Emitting Diodes incorporating A-D-A Dyes based on Î±,Î²-unsubstituted â€œBODIPYâ€•Moieties. Scientific Reports, 2017, 7, 1611.	1.6	112
84	Onâ€Chip Chemical Selfâ€Assembly of Semiconducting Singleâ€Walled Carbon Nanotubes (SWNTs): Toward Robust and Scale Invariant SWNTs Transistors. Advanced Materials, 2017, 29, 1606757.	11.1	36
85	Luminescent tetraphenylethene-cored, carbazole- and thiophene-based microporous polymer films for the chemosensing of nitroaromatic analytes. Materials Chemistry Frontiers, 2017, 1, 1118-1124.	3.2	61
86	Tuning Side Chain and Main Chain Order in a Prototypical Donorâ€“Acceptor Copolymer: Implications for Optical, Electronic, and Photovoltaic Characteristics. Advances in Polymer Science, 2017, , 243-265.	0.4	0
87	A Complex Interrelationship between Temperature-Dependent Polyquaterthiophene (PQT) Structural and Electrical Properties. Journal of Physical Chemistry C, 2017, 121, 23149-23157.	1.5	2
88	Carbon Nanotubes: An Allâ€Solutionâ€Based Hybrid CMOSâ€Like Quantum Dot/Carbon Nanotube Inverter (Adv. Mater. 35/2017). Advanced Materials, 2017, 29, .	11.1	0
89	The Impact of Driving Force and Temperature on the Electron Transfer in Donorâ€“Acceptor Blend Systems. Journal of Physical Chemistry C, 2017, 121, 22739-22752.	1.5	52
90	Ureasil organicâ€“inorganic hybrids as photoactive waveguides for conjugated polyelectrolyte luminescent solar concentrators. Materials Chemistry Frontiers, 2017, 1, 2271-2282.	3.2	18

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91	An All-Solution-Based Hybrid CMOS-Like Quantum Dot/Carbon Nanotube Inverter. Advanced Materials, 2017, 29, 1701764.	11.1	33
92	Selective recognition of biologically important anions using a diblock polyfluoreneâ€"polythiophene conjugated polyelectrolyte. Polymer Chemistry, 2017, 8, 7151-7159.	1.9	7
93	Excited-State Interaction of Semiconducting Single-Walled Carbon Nanotubes with Their Wrapping Polymers. Journal of Physical Chemistry Letters, 2017, 8, 5666-5672.	2.1	18
94	Catalyst- and solvent-free, thermal generation of microporous polymer networks. Science China Chemistry, 2017, 60, 1103-1106.	4.2	1
95	Visualizing the radical-pair mechanism of molecular magnetic field effects by magnetic resonance induced electrofluorescence to electrophosphorescence interconversion. Physical Review B, 2017, 95, .	1.1	18
96	Nitrogen-doped porous carbon/graphene nanosheets derived from two-dimensional conjugated microporous polymer sandwiches with promising capacitive performance. Materials Chemistry Frontiers, 2017, 1, 278-285.	3.2	62
97	Cationic Mainâ€Chain Polyelectrolytes with Pyridiniumâ€Based pâ€Phenylenevinylene Units and Their Aggregationâ€Induced Gelation. Macromolecular Chemistry and Physics, 2017, 218, 1600374.	1.1	6
98	Program FFlexCom â€" High frequency flexible bendable electronics for wireless communication systems. , 2017, , .		12
99	Indacenodithienothiophene-Based Ternary Organic Solar Cells. Frontiers in Energy Research, 2017, 4, .	1.2	8
100	Displacement of polarons by vibrational modes in doped conjugated polymers. Physical Review Materials, 2017, 1, .	0.9	27
101	Light Emission Properties of a Cross-Conjugated Fluorene Polymer: Demonstration of Its Use in Electro-Luminescence and Lasing Devices. Polymers, 2016, 8, 43.	2.0	15
102	Inkjet Printed Singleâ€Walled Carbon Nanotube Based Ambipolar and Unipolar Transistors for Highâ€Performance Complementary Logic Circuits. Advanced Electronic Materials, 2016, 2, 1600094.	2.6	48
103	Conjugated Polymer Nanoparticleâ€Triplet Emitter Hybrids in Aqueous Dispersion: Fabrication and Fluorescence Quenching Behavior. Macromolecular Rapid Communications, 2016, 37, 271-277.	2.0	3
104	Tunable Whiteâ€Light Emission from Conjugated Polymerâ€Diâ€Ureasil Materials. Advanced Functional Materials, 2016, 26, 532-542.	7.8	33
105	Incorporating an Alternating Donorâ€"Acceptor Structure into a Ladder Polymer Backbone. Angewandte Chemie - International Edition, 2016, 55, 7816-7820.	7.2	49
106	Twoâ€Dimensional Coreâ€Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2016, 55, 6858-6863.	7.2	127
107	Twoâ€Dimensional Coreâ€Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. Angewandte Chemie, 2016, 128, 6972-6977.	1.6	23
108	Insight into the orientation of LBG polymer films by XANES experiment and calculation. European Polymer Journal, 2016, 81, 686-693.	2.6	11

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109	Sequential detection of multiple phase transitions in model biological membranes using a red-emitting conjugated polyelectrolyte. Physical Chemistry Chemical Physics, 2016, 18, 12423-12427.	1.3	11
110	Very High Solid State Photoluminescence Quantum Yields of Poly(tetraphenylethylene) Derivatives. Macromolecular Rapid Communications, 2016, 37, 1802-1806.	2.0	19
111	Zero-Dimensional Organic Excitonâ€"Polaritons in Tunable Coupled Gaussian Defect Microcavities at Room Temperature. ACS Photonics, 2016, 3, 1542-1545.	3.2	28
112	Electrochemically Generated Thin Films of Microporous Polymer Networks: Synthesis, Properties, and Applications. Macromolecular Chemistry and Physics, 2016, 217, 827-841.	1.1	45
113	Charge-Mediated Localization of Conjugated Polythiophenes in Zwitterionic Model Cell Membranes. Langmuir, 2016, 32, 8141-8153.	1.6	18
114	Effect of side-chain asymmetry on the intermolecular structure and order-disorder transition in alkyl-substituted polyfluorenes. Physical Review E, 2016, 93, 042504.	0.8	3
115	Silicon- or Carbon-Cored Multifunctional Carbazolyl Monomers for the Electrochemical Generation of Microporous Polymer Films. Macromolecules, 2016, 49, 8041-8047.	2.2	33
116	Highly sensitive gas-phase explosive detection by luminescent microporous polymer networks. Scientific Reports, 2016, 6, 29118.	1.6	57
117	Anomalous Carrier Transport in Ambipolar Fieldâ€Effect Transistor of Large Diameter Singleâ€Walled Carbon Nanotube Network. Advanced Electronic Materials, 2016, 2, 1500222.	2.6	15
118	Electronic structure and self-organization properties of low band gap polymers: The effect of the introduction of additional thiophene moieties. Solar Energy Materials and Solar Cells, 2016, 157, 286-294.	3.0	6
119	Incorporating an Alternating Donorâ€"Acceptor Structure into a Ladder Polymer Backbone. Angewandte Chemie, 2016, 128, 7947-7951.	1.6	9
120	Engineering the Morphology of Carbon Materials: 2D Porous Carbon Nanosheets for Highâ€Performance Supercapacitors. ChemElectroChem, 2016, 3, 822-828.	1.7	85
121	Highly Luminescent Colloidal CdS Quantum Dots with Efficient Near-Infrared Electroluminescence in Light-Emitting Diodes. Journal of Physical Chemistry C, 2016, 120, 1871-1880.	1.5	65
122	Influence of the Conjugation Length on the Optical Spectra of Single Ladder-Type (p-Phenylene) Dimers and Polymers. Journal of Physical Chemistry A, 2016, 120, 233-240.	1.1	25
123	Straightforward Generation of Pillared, Microporous Graphene Frameworks for Use in Supercapacitors. Advanced Materials, 2015, 27, 6714-6721.	11.1	137
124	Electrogenerated Thin Films of Microporous Polymer Networks with Remarkably Increased Electrochemical Response to Nitroaromatic Analytes. ACS Applied Materials & Interfaces, 2015, 7, 11127-11133.	4.0	95
125	What conjugated polyelectrolytes tell us about aggregation in polyelectrolyte/surfactant systems. Journal of Molecular Liquids, 2015, 210, 82-99.	2.3	28
126	Polyelectrolyte Complexes of a Cationic All Conjugated Fluoreneâ€"Thiophene Diblock Copolymer with Aqueous DNA. Journal of Physical Chemistry B, 2015, 119, 3231-3241.	1.2	19

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127	Scope and Limitations of a Direct Arylation Polycondensation Scheme in the Synthesis of PCPDTBTâ€Type Copolymers. Macromolecular Rapid Communications, 2015, 36, 1061-1068.	2.0	56
128	How intermolecular geometrical disorder affects the molecular doping of donorâ€“acceptor copolymers. Nature Communications, 2015, 6, 6460.	5.8	104
129	Charge transfer in and conductivity of molecularly doped thiopheneâ€based copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 58-63.	2.4	43
130	Unusual photophysical properties of conjugated, alternating indigoâ€“fluorene copolymers. Journal of Materials Chemistry A, 2015, 3, 6373-6382.	5.2	24
131	Solid State Structure of Poly(9,9-dinonylfluorene). Macromolecules, 2015, 48, 5244-5250.	2.2	13
132	In situ formation and photo patterning of emissive quantum dots in small organic molecules. Nanoscale, 2015, 7, 11163-11172.	2.8	29
133	Ultra low band gap Î±,Î²-unsubstituted BODIPY-based copolymer synthesized by palladium catalyzed cross-coupling polymerization for near infrared organic photovoltaics. Journal of Materials Chemistry A, 2015, 3, 16279-16286.	5.2	49
134	One-step synthesis of a cyclic 2,17-dioxo[3,3](4,4â€²) biphenylophane and first preparation of a microporous polymer network from a macrocyclic precursor by cyclotrimerization. Chemical Communications, 2015, 51, 9046-9049.	2.2	14
135	Influence of alkyl side chain length on the in-plane stacking of room temperature and low temperature cast poly(3-alkylthiophene) thin films. European Polymer Journal, 2015, 67, 199-212.	2.6	18
136	Microporous, tetraarylethylene-based polymer networks generated in a reductive polyolefination process. Journal of Materials Chemistry C, 2015, 3, 1582-1587.	2.7	25
137	Subpicosecond Exciton Dynamics in Polyfluorene Films from Experiment and Microscopic Theory. Journal of Physical Chemistry C, 2015, 119, 9734-9744.	1.5	17
138	Exciton-polariton Bose-Einstein condensation with a polymer at room temperature. , 2015, , .		2
139	High sensitivity sensing of nitroaromatic explosive vapors based on polytriphenylamines with AIEâ€active tetraphenylethylene side groups. Journal of Polymer Science Part A, 2015, 53, 1753-1761.	2.5	47
140	Synergistic photoluminescence enhancement in conjugated polymer-di-ureasil organicâ€“inorganic composites. Chemical Science, 2015, 6, 7227-7237.	3.7	27
141	Interactions of a zwitterionic thiophene-based conjugated polymer with surfactants. Polymer Chemistry, 2015, 6, 8036-8046.	1.9	18
142	Microporous Polymer Networks Made by Cyclotrimerization of Commercial, Aromatic Diisocyanates. ACS Macro Letters, 2015, 4, 1268-1272.	2.3	28
143	Nanofibrous and Graphene-Templated Conjugated Microporous Polymer Materials for Flexible Chemosensors and Supercapacitors. Chemistry of Materials, 2015, 27, 7403-7411.	3.2	164
144	Side-Chain Influence on the Mass Density and Refractive Index of Polyfluorenes and Star-Shaped Oligofluorene Truxenes. Journal of Physical Chemistry C, 2015, 119, 22102-22107.	1.5	13

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145	Low-gap polymers incorporating a dicarboxylic imide moiety for near-infrared polymer light-emitting diodes. , 2015, , .		1
146	Polycarbazoles and polytriphenylamines showing aggregation-induced emission (AIE) and intramolecular charge transfer (ICT) behavior for the optical detection of nitroaromatic compounds. Polymer, 2015, 76, 173-181.	1.8	29
147	Thiophene-Based Microporous Polymer Networks via Chemical or Electrochemical Oxidative Coupling. Macromolecules, 2015, 48, 6816-6824.	2.2	68
148	Polymer-Sorted Semiconducting Carbon Nanotube Networks for High-Performance Ambipolar Field-Effect Transistors. ACS Applied Materials & Interfaces, 2015, 7, 682-689.	4.0	110
149	Effect of temperature on the selection of semiconducting single walled carbon nanotubes using Poly(3-dodecylthiophene-2,5-diyl). Carbon, 2015, 84, 66-73.	5.4	27
150	Growth of Photoluminescent Cadmium Sulphide Quantum Dots from Soluble Single Source Precursors in Solution and in Film. Science of Advanced Materials, 2015, 7, 1-14.	0.1	27
151	Persistence of nematic liquid crystalline phase in a polyfluoreneâ€based organic semiconductor: A high pressure study. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1014-1023.	2.4	4
152	Room-temperature Boseâ€“Einstein condensation of cavity excitonâ€“polaritons in a polymer. Nature Materials, 2014, 13, 247-252.	13.3	540
153	Polarons, Compressed Polarons, and Bipolarons in Conjugated Polymers. Journal of Physical Chemistry C, 2014, 118, 114-125.	1.5	19
154	Morphology analysis of near IR sensitized polymer/fullerene organic solar cells by implementing low bandgap heteroanalogue C-/Si-PCPDTBT. Journal of Materials Chemistry A, 2014, 2, 19461-19472.	5.2	68
155	Nanostructuring of the conjugated polyelectrolyte poly[9,9-bis(4-sulfonylbutoxyphenyl)fluorene-2,7-diyl-2,2â€²-bithiophene] in liquid crystalline C12E4 in bulk water and aligned thin films. Soft Matter, 2014, 10, 3103.	1.2	6
156	Carbon Nanotube Network Ambipolar Fieldâ€Effect Transistors with 10⁸ On/Off Ratio. Advanced Materials, 2014, 26, 5969-5975.	11.1	91
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