

Ullrich Scherf

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

743
papers

37,375
citations

93
h-index

161
g-index

791
ext. papers

39,564
ext. citations

6.8
avg, IF

7.22
L-index

#	Paper	IF	Citations
743	Organic Synaptic Diodes Based on Polymeric Mixed Ionic-Electronic Conductors. <i>Advanced Electronic Materials</i> , 2022 , 8, 2100866	6.4	1
742	Tunable exciton-polariton condensation in a two-dimensional Lieb lattice at room temperature. <i>Communications Physics</i> , 2021 , 4,	5.4	7
741	Development of Quantum Dot (QD) Based Color Converters for Multicolor Display. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
740	Ionic Conductivity in Polyfluorene-Based Diblock Copolymers Comprising Nanodomains of a Polymerized Ionic Liquid and a Solid Polymer Electrolyte Doped with LiTFSI. <i>Macromolecules</i> , 2021 , 54, 4257-4268	5.5	2
739	Reductive Coupling Synthesis of a Soluble Poly(9,10-anthrylene ethynylene). <i>Organic Materials</i> , 2021 , 03, 184-190	1.9	
738	Tuning J-aggregate Formation and Emission Efficiency in Cationic Diazapentacenium Dyes. <i>Chemistry - A European Journal</i> , 2021 , 27, 7826-7830	4.8	4
737	Cationic Diazapentacenium Polymers Made in a Sequence of C-N Cross Coupling Polymerization and Acid-Mediated Postpolymerization Cyclization. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100370	4.8	
736	Charge Transport in High-Mobility Field-Effect Transistors Based on Inkjet Printed Random Networks of Polymer Wrapped Single-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2021 , 31, 2006895	15.6	8
735	Polymeric near infrared emitters with bay-annulated indigo moieties. <i>Materials Advances</i> , 2021 , 2, 3736-3743	3.43	1
734	Functional Microporous Polymer Networks: Synthesis and Applications 2021 , 65-85		
733	Fluorescence Studies on a Thermoresponsive PNIPAM-Polyfluorene Graft Copolymer. <i>Macromolecules</i> , 2021 , 54, 7612-7620	5.5	3
732	Single-photon nonlinearity at room temperature. <i>Nature</i> , 2021 , 597, 493-497	50.4	17
731	Electrooxidative generation of polymer films from rigid tricarbazole monomers.. <i>RSC Advances</i> , 2021 , 11, 4654-4659	3.7	
730	Restricted Aggregate Formation on Tetraphenylethene-Substituted Polythiophenes. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13956-13965	3.8	8
729	Dynamic Quenching of Triplet Excitons in Single Conjugated-Polymer Chains. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5192-5198	6.4	1
728	Trap-Assisted Triplet Emission in Ladder-Polymer-Based Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000082	6.4	2
727	Reliably Estimating the Length of the Effectively Conjugated Segment in Ladder Poly(para-phenylene)s. <i>Organic Materials</i> , 2020 , 02, 159-164	1.9	3

726	An Organic Borate Salt with Superior -Doping Capability for Organic Semiconductors. <i>Advanced Science</i> , 2020 , 7, 2001322	13.6	13
725	Structurally simple OLEDs based on a new fluorinated poly(oxindolylidenearylene). <i>Dyes and Pigments</i> , 2020 , 173, 107989	4.6	6
724	Designing highly fluorescent, arylated poly(phenylene vinylene)s of intrinsic microporosity. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2248-2257	7.1	6
723	Ultrafast Single-Molecule Fluorescence Measured by Femtosecond Double-Pulse Excitation Photon Antibunching. <i>Nano Letters</i> , 2020 , 20, 1074-1079	11.5	7
722	Boosting Oxygen Reduction of Single Iron Active Sites via Geometric and Electronic Engineering: Nitrogen and Phosphorus Dual Coordination. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2404-2412	16.4	317
721	Customizing the Polarity of Single-Walled Carbon-Nanotube Field-Effect Transistors Using Solution-Based Additives. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900789	6.4	7
720	Synaptic Plasticity in Semiconducting Single-Walled Carbon Nanotubes Transistors. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2000154	6	2
719	Spiropyran-Functionalized Polymer-Carbon Nanotube Hybrids for Dynamic Optical Memory Devices and UV Sensors. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000717	6.4	10
718	What Determines the Glass Temperature and dc-Conductivity in Imidazolium-Polymerized Ionic Liquids with a Polythiophene Backbone?. <i>Macromolecules</i> , 2020 , 53, 3535-3550	5.5	7
717	Aromatic polymers made by reductive polydehalogenation of oligocyclic monomers as conjugated polymers of intrinsic microporosity (C-PIMs). <i>Polymer Chemistry</i> , 2019 , 10, 5200-5205	4.9	4
716	Expanded diketopyrrolopyrroles as acceptor building blocks for the formation of novel donor-acceptor copolymers. <i>Polymer Chemistry</i> , 2019 , 10, 627-632	4.9	12
715	Remarkably Stable, High-Quality Semiconducting Single-Walled Carbon Nanotube Inks for Highly Reproducible Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900288	6.4	11
714	Direct Arylation Polycondensation (DAP) Synthesis of Alternating Quaterthiophene-Benzothiadiazole Copolymers for Organic Solar Cell Applications. <i>ChemPlusChem</i> , 2019 , 84, 1249-1252	2.8	4
713	Direct observation of state-filling at hybrid tin oxide/organic interfaces. <i>Applied Physics Letters</i> , 2019 , 114, 183301	3.4	3
712	Poly(9-undecyl-9-methyl-fluorene) and poly(9-pentadecyl-9-methyl-fluorene): Synthesis, solution structure, and effect of side chain asymmetry on aggregation behavior. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019 , 57, 826-837	2.6	2
711	What is the Binding Energy of a Charge Transfer State in an Organic Solar Cell?. <i>Advanced Energy Materials</i> , 2019 , 9, 1900814	21.8	37
710	A room-temperature organic polariton transistor. <i>Nature Photonics</i> , 2019 , 13, 378-383	33.9	92
709	Measuring structural inhomogeneity of a helical conjugated polymer at high pressure and temperature. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019 , 57, 392-396	2.6	0

708	Ladder-Type Polymers and Ladder-Type Polyelectrolytes with On-Chain Dibenz[a,h]anthracene Chromophores. <i>Macromolecules</i> , 2019 , 52, 3115-3122	5.5	8
707	In situ nanoarchitecturing and active-site engineering toward highly efficient carbonaceous electrocatalysts. <i>Nano Energy</i> , 2019 , 59, 207-215	17.1	42
706	Two-photon induced ultrafast coherence decay of highly excited states in single molecules. <i>New Journal of Physics</i> , 2019 , 21, 045001	2.9	5
705	POXINAR Membrane Family for Gas Separation. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 15280-15287	3.9	10
704	Thin Functional Polymer Films by Electropolymerization. <i>Nanomaterials</i> , 2019 , 9,	5.4	18
703	Doping-Dependent Energy Transfer from Conjugated Polyelectrolytes to (6,5) Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 22680-22689	3.8	6
702	Neutral, Radical-Conjugated Microporous Polymer Films of Nanoscale Thickness for Potential Use in Magnetoelectronics and Sensor Devices. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4832-4841	5.6	8
701	Luminescent Solar Concentrators Based on Energy Transfer from an Aggregation-Induced Emitter Conjugated Polymer. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 3039-3047	4.3	29
700	All-Optical Exciton-Polariton Transistor at Room Temperature 2019 ,		2
699	Understanding the Selection Mechanism of the Polymer Wrapping Technique toward Semiconducting Carbon Nanotubes. <i>Small Methods</i> , 2018 , 2, 1700335	12.8	12
698	Unsubstituted meso-positioning thienyl BODIPY: a promising electron deficient building block for the development of near infrared (NIR) p-type donor-acceptor (D-A) conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4030-4040	7.1	17
697	Conjugated polymers containing tetraphenylethylene in the backbones and side-chains for highly sensitive TNT detection.. <i>RSC Advances</i> , 2018 , 8, 5760-5767	3.7	20
696	On the Molecular Origin of Charge Separation at the Donor-Acceptor Interface. <i>Advanced Energy Materials</i> , 2018 , 8, 1702232	21.8	45
695	Synergetic Contribution of Boron and Fe _x Species in Porous Carbons toward Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>ACS Energy Letters</i> , 2018 , 3, 252-260	20.1	184
694	New n-Type Solution Processable All Conjugated Polymer Network: Synthesis, Optoelectronic Characterization, and Application in Organic Solar Cells. <i>Macromolecular Rapid Communications</i> , 2018 , 39, 1700629	4.8	6
693	High Pressure Structural Studies of Conjugated Molecules. <i>Materials and Energy</i> , 2018 , 175-187		
692	From Broadband to Electrochromic Notch Filters with Printed Monochiral Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11135-11142	9.5	29
691	A Generalized Packing Model for Bulk Crystalline Regioregular Poly(3-alkylthiophenes) with Extended Side Chains. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700266	2.6	9

690	Room-Temperature Exciton-Polariton Condensation in a Tunable Zero-Dimensional Microcavity. <i>ACS Photonics</i> , 2018 , 5, 85-89	6.3	22
689	Temperature-Dependent Charge Transport in Polymer-Sorted Semiconducting Carbon Nanotube Networks with Different Diameter Distributions. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19886-19896	3.8	30
688	Tetraphenylethylene-BODIPY aggregation-induced emission luminogens for near-infrared polymer light-emitting diodes. <i>Science China Chemistry</i> , 2018 , 61, 932-939	7.9	44
687	Suppressing the Surface Recombination and Tuning the Open-Circuit Voltage of Polymer/Fullerene Solar Cells by Implementing an Aggregative Ternary Compound. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 28803-28811	9.5	13
686	Effects of Charge Density on Photophysics and Aggregation Behavior of Anionic Fluorene-Arylene Conjugated Polyelectrolytes. <i>Polymers</i> , 2018 , 10,	4.5	4
685	Polymer-Nanocarbon Topological and Electronic Interface. <i>Langmuir</i> , 2018 , 34, 6225-6230	4	2
684	Electrochemically Generated Conjugated Microporous Polymer Network Thin Films for Chemical Sensor Applications. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1800207	2.6	19
683	Polymerized Ionic Liquids with Polythiophene Backbones: Self-Assembly, Thermal Properties, and Ion Conduction. <i>Macromolecules</i> , 2018 , 51, 6440-6450	5.5	18
682	Alternating donor-acceptor indigo-cyclopentadithiophene copolymers: competition between excited state conformational relaxation, energy transfer and excited state proton transfer. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 281-290	7.8	5
681	Cyclopentadithiophene derivatives: a step towards an understanding of thiophene copolymer excited state deactivation pathways. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 149-156	7.8	8
680	Tuning the Exciton Diffusion Coefficient of Polyfluorene Based Semiconducting Polymers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018 , 13, 1800500	2.5	2
679	Enhancing Quantum Dot Solar Cells Stability with a Semiconducting Single-Walled Carbon Nanotubes Interlayer Below the Top Anode. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1801155	4.6	18
678	Scope and Limitations of the Dehydrogenative Generation of Graphenic Nanoribbons from Methylene-Bridged, Aromatic Ladder Polymers. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800569	4.8	1
677	Synthesis of High Molecular Weight 1,4-Polynaphthalene for Solution-Processed True Color Blue Light Emitting Diode. <i>Macromolecules</i> , 2018 , 51, 8324-8329	5.5	5
676	Nanometer-Thick Conjugated Microporous Polymer Films for Selective and Sensitive Vapor-Phase TNT Detection. <i>ACS Applied Nano Materials</i> , 2018 , 1, 6483-6492	5.6	21
675	Aggregation-Induced Emission in Phenothiazine-TPPE and TPAN Polymers. <i>Macromolecules</i> , 2018 , 51, 8501-8512	5.5	28
674	Visualizing Hidden Ultrafast Processes in Individual Molecules by Single-Pulse Coherent Control. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15329-15335	16.4	7
673	Two Anthracene-Based Copolymers as the Hole-Transporting Materials for High-Performance Inverted (p-i-n) Perovskite Solar Cells. <i>Macromolecules</i> , 2018 , 51, 7407-7416	5.5	7

672	Porous organic polymers as emerging new materials for organic photovoltaic applications: current status and future challenges. <i>Materials Horizons</i> , 2017 , 4, 546-556	14.4	88
671	2D Heterostructures Derived from MoS ₂ -Templated, Cobalt-Containing Conjugated Microporous Polymer Sandwiches for the Oxygen Reduction Reaction and Electrochemical Energy Storage. <i>ChemElectroChem</i> , 2017 , 4, 709-715	4.3	26
670	BODIPY-based polymeric dyes as emerging horizon materials for biological sensing and organic electronic applications. <i>Progress in Polymer Science</i> , 2017 , 71, 26-52	29.6	46
669	Beyond Donor-Acceptor (D-A) Approach: Structure-Optoelectronic Properties-Organic Photovoltaic Performance Correlation in New D-A -D-A Low-Bandgap Conjugated Polymers. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1600720	4.8	15
668	Interplay of localized pyrene chromophores and π -conjugation in novel poly(2,7-pyrene) ladder polymers. <i>Journal of Chemical Physics</i> , 2017 , 146, 174903	3.9	7
667	Highly Efficient Solid-State Near-infrared Organic Light-Emitting Diodes incorporating A-D-A Dyes based on π -unsubstituted "BODIPY" Moieties. <i>Scientific Reports</i> , 2017 , 7, 1611	4.9	90
666	On-Chip Chemical Self-Assembly of Semiconducting Single-Walled Carbon Nanotubes (SWNTs): Toward Robust and Scale Invariant SWNTs Transistors. <i>Advanced Materials</i> , 2017 , 29, 1606757	24	30
665	Luminescent tetraphenylethene-cored, carbazole- and thiophene-based microporous polymer films for the chemosensing of nitroaromatic analytes. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1118-1124	7.8	47
664	Tuning Side Chain and Main Chain Order in a Prototypical Donor-Acceptor Copolymer: Implications for Optical, Electronic, and Photovoltaic Characteristics. <i>Advances in Polymer Science</i> , 2017 , 243-265	1.3	
663	Near-Infrared Sensitization of Polymer/Fullerene Solar Cells: Controlling the Morphology and Transport in Ternary Blends. <i>Advances in Polymer Science</i> , 2017 , 311-326	1.3	
662	A Complex Interrelationship between Temperature-Dependent Polyquaterthiophene (PQT) Structural and Electrical Properties. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 23149-23157	3.8	1
661	The Impact of Driving Force and Temperature on the Electron Transfer in Donor-Acceptor Blend Systems. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 22739-22752	3.8	41
660	Ureasil organic-inorganic hybrids as photoactive waveguides for conjugated polyelectrolyte luminescent solar concentrators. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 2271-2282	7.8	16
659	An All-Solution-Based Hybrid CMOS-Like Quantum Dot/Carbon Nanotube Inverter. <i>Advanced Materials</i> , 2017 , 29, 1701764	24	29
658	Selective recognition of biologically important anions using a diblock polyfluorene-polythiophene conjugated polyelectrolyte. <i>Polymer Chemistry</i> , 2017 , 8, 7151-7159	4.9	6
657	Excited-State Interaction of Semiconducting Single-Walled Carbon Nanotubes with Their Wrapping Polymers. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5666-5672	6.4	16
656	Catalyst- and solvent-free, thermal generation of microporous polymer networks. <i>Science China Chemistry</i> , 2017 , 60, 1103-1106	7.9	0
655	Visualizing the radical-pair mechanism of molecular magnetic field effects by magnetic resonance induced electrofluorescence to electrophosphorescence interconversion. <i>Physical Review B</i> , 2017 , 95,	3.3	13

654	Nitrogen-doped porous carbon/graphene nanosheets derived from two-dimensional conjugated microporous polymer sandwiches with promising capacitive performance. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 278-285	7.8	49
653	Cationic Main-Chain Polyelectrolytes with Pyridinium-Based p-Phenylenevinylene Units and Their Aggregation-Induced Gelation. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600374	2.6	4
652	Program FFlexCom High frequency flexible bendable electronics for wireless communication systems 2017 ,		6
651	Indacenodithienothiophene-Based Ternary Organic Solar Cells. <i>Frontiers in Energy Research</i> , 2017 , 4,	3.8	6
650	Displacement of polarons by vibrational modes in doped conjugated polymers. <i>Physical Review Materials</i> , 2017 , 1,	3.2	20
649	Charge-Mediated Localization of Conjugated Polythiophenes in Zwitterionic Model Cell Membranes. <i>Langmuir</i> , 2016 , 32, 8141-53	4	13
648	Effect of side-chain asymmetry on the intermolecular structure and order-disorder transition in alkyl-substituted polyfluorenes. <i>Physical Review E</i> , 2016 , 93, 042504	2.4	2
647	Elektrochrome Fenster mit leitenden Polymeren. <i>Chemie in Unserer Zeit</i> , 2016 , 50, 400-405	0.2	2
646	Silicon- or Carbon-Cored Multifunctional Carbazolyl Monomers for the Electrochemical Generation of Microporous Polymer Films. <i>Macromolecules</i> , 2016 , 49, 8041-8047	5.5	29
645	Highly sensitive gas-phase explosive detection by luminescent microporous polymer networks. <i>Scientific Reports</i> , 2016 , 6, 29118	4.9	45
644	Anomalous Carrier Transport in Ambipolar Field-Effect Transistor of Large Diameter Single-Walled Carbon Nanotube Network. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500222	6.4	14
643	Electronic structure and self-organization properties of low band gap polymers: The effect of the introduction of additional thiophene moieties. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 157, 286-294	6.4	5
642	Incorporating an Alternating Donor-Acceptor Structure into a Ladder Polymer Backbone. <i>Angewandte Chemie</i> , 2016 , 128, 7947-7951	3.6	7
641	Engineering the Morphology of Carbon Materials: 2D Porous Carbon Nanosheets for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2016 , 3, 822-828	4.3	75
640	Highly Luminescent Colloidal CdS Quantum Dots with Efficient Near-Infrared Electroluminescence in Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 1871-1880	3.8	46
639	Influence of the Conjugation Length on the Optical Spectra of Single Ladder-Type (p-Phenylene) Dimers and Polymers. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 233-40	2.8	17
638	Light Emission Properties of a Cross-Conjugated Fluorene Polymer: Demonstration of Its Use in Electro-Luminescence and Lasing Devices. <i>Polymers</i> , 2016 , 8,	4.5	12
637	Inkjet Printed Single-Walled Carbon Nanotube Based Ambipolar and Unipolar Transistors for High-Performance Complementary Logic Circuits. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600094	6.4	40

636	Conjugated Polymer Nanoparticle-Triplet Emitter Hybrids in Aqueous Dispersion: Fabrication and Fluorescence Quenching Behavior. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 271-7	4.8	3
635	Tunable White-Light Emission from Conjugated Polymer-Di-Ureasil Materials. <i>Advanced Functional Materials</i> , 2016 , 26, 532-542	15.6	29
634	Incorporating an Alternating Donor-Acceptor Structure into a Ladder Polymer Backbone. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7816-20	16.4	35
633	Two-Dimensional Core-Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6858-63	16.4	111
632	Two-Dimensional Core-Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2016 , 128, 6972-6977	3.6	19
631	Insight into the orientation of LBG polymer films by XANES experiment and calculation. <i>European Polymer Journal</i> , 2016 , 81, 686-693	5.2	10
630	Sequential detection of multiple phase transitions in model biological membranes using a red-emitting conjugated polyelectrolyte. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 12423-7	3.6	9
629	Very High Solid State Photoluminescence Quantum Yields of Poly(tetraphenylethylene) Derivatives. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1802-1806	4.8	17
628	Zero-Dimensional Organic Exciton Polaritons in Tunable Coupled Gaussian Defect Microcavities at Room Temperature. <i>ACS Photonics</i> , 2016 , 3, 1542-1545	6.3	21
627	Electrochemically Generated Thin Films of Microporous Polymer Networks: Synthesis, Properties, and Applications. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 827-841	2.6	39
626	Scope and limitations of a direct arylation polycondensation scheme in the synthesis of PCPDTBT-type copolymers. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1061-8	4.8	56
625	How intermolecular geometrical disorder affects the molecular doping of donor-acceptor copolymers. <i>Nature Communications</i> , 2015 , 6, 6460	17.4	85
624	Charge transfer in and conductivity of molecularly doped thiophene-based copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 58-63	2.6	34
623	Unusual photophysical properties of conjugated, alternating indigo-fluorene copolymers. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6373-6382	13	23
622	Solid State Structure of Poly(9,9-dinonylfluorene). <i>Macromolecules</i> , 2015 , 48, 5244-5250	5.5	13
621	In situ formation and photo patterning of emissive quantum dots in small organic molecules. <i>Nanoscale</i> , 2015 , 7, 11163-72	7.7	23
620	Ultra low band gap unsubstituted BODIPY-based copolymer synthesized by palladium catalyzed cross-coupling polymerization for near infrared organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16279-16286	13	41
619	One-step synthesis of a cyclic 2,17-dioxo[3,3](4,4') biphenylophane and first preparation of a microporous polymer network from a macrocyclic precursor by cyclotrimerization. <i>Chemical Communications</i> , 2015 , 51, 9046-9	5.8	9

618	Influence of alkyl side chain length on the in-plane stacking of room temperature and low temperature cast poly(3-alkylthiophene) thin films. <i>European Polymer Journal</i> , 2015 , 67, 199-212	5.2	15
617	Microporous, tetraarylethylene-based polymer networks generated in a reductive polyolefination process. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1582-1587	7.1	23
616	Subpicosecond Exciton Dynamics in Polyfluorene Films from Experiment and Microscopic Theory. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 9734-9744	3.8	14
615	Exciton-polariton Bose-Einstein condensation with a polymer at room temperature 2015 ,		2
614	High sensitivity sensing of nitroaromatic explosive vapors based on polytriphenylamines with AIE-active tetraphenylethylene side groups. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 1753-1761	2.5	40
613	Synergistic photoluminescence enhancement in conjugated polymer-di-ureasil organic-inorganic composites. <i>Chemical Science</i> , 2015 , 6, 7227-7237	9.4	24
612	Interactions of a zwitterionic thiophene-based conjugated polymer with surfactants. <i>Polymer Chemistry</i> , 2015 , 6, 8036-8046	4.9	17
611	Microporous Polymer Networks Made by Cyclotrimerization of Commercial, Aromatic Diisocyanates. <i>ACS Macro Letters</i> , 2015 , 4, 1268-1272	6.6	27
610	Nanofibrous and Graphene-Templated Conjugated Microporous Polymer Materials for Flexible Chemosensors and Supercapacitors. <i>Chemistry of Materials</i> , 2015 , 27, 7403-7411	9.6	138
609	Side-Chain Influence on the Mass Density and Refractive Index of Polyfluorenes and Star-Shaped Oligofluorene Truxenes. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22102-22107	3.8	11
608	Low-gap polymers incorporating a dicarboxylic imide moiety for near-infrared polymer light-emitting diodes 2015 ,		1
607	Polycarbazoles and polytriphenylamines showing aggregation-induced emission (AIE) and intramolecular charge transfer (ICT) behavior for the optical detection of nitroaromatic compounds. <i>Polymer</i> , 2015 , 76, 173-181	3.9	27
606	Thiophene-Based Microporous Polymer Networks via Chemical or Electrochemical Oxidative Coupling. <i>Macromolecules</i> , 2015 , 48, 6816-6824	5.5	58
605	Polymer-sorted semiconducting carbon nanotube networks for high-performance ambipolar field-effect transistors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 682-9	9.5	96
604	Effect of temperature on the selection of semiconducting single walled carbon nanotubes using Poly(3-dodecylthiophene-2,5-diyl). <i>Carbon</i> , 2015 , 84, 66-73	10.4	22
603	Straightforward Generation of Pillared, Microporous Graphene Frameworks for Use in Supercapacitors. <i>Advanced Materials</i> , 2015 , 27, 6714-21	24	117
602	Electrogenerated thin films of microporous polymer networks with remarkably increased electrochemical response to nitroaromatic analytes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11127-33	9.5	85
601	What conjugated polyelectrolytes tell us about aggregation in polyelectrolyte/surfactant systems. <i>Journal of Molecular Liquids</i> , 2015 , 210, 82-99	6	23

600	Polyelectrolyte complexes of a cationic all conjugated fluorene-thiophene diblock copolymer with aqueous DNA. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 3231-41	3-4	15
599	Growth of Photoluminescent Cadmium Sulphide Quantum Dots from Soluble Single Source Precursors in Solution and in Film. <i>Science of Advanced Materials</i> , 2015 , 7, 1-14	2-3	25
598	Organic Tandem Solar Cells 2014 , 445-464		2
597	Metal Oxide Interlayers for Polymer Solar Cells 2014 , 319-342		0
596	Organic Photovoltaic Morphology 2014 , 377-420		2
595	Vacuum-Processed Donor Materials for Organic Photovoltaics 2014 , 139-170		3
594	Polymer/Nanocrystal Hybrid Solar Cells 2014 , 171-208		1
593	Bimolecular and Trap-Assisted Recombination in Organic Bulk Heterojunction Solar Cells 2014 , 343-376		3
592	Intercalation in Polymer:Fullerene Blends 2014 , 421-444		1
591	Flexible Substrate Requirements for Organic Photovoltaics 2014 , 513-538		
590	Roll-to-Roll Processing of Polymer Solar Cells 2014 , 561-586		2
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588	Overview of Polymer and Copolymer Materials for Organic Photovoltaics 2014 , 1-26		2
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586	Molecular Design of Conjugated Polymers for High-Efficiency Solar Cells 2014 , 61-94		2
585	Thiophene-Based High-Performance Donor Polymers for Organic Solar Cells 2014 , 27-60		
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