

RenÃ© Aj Janssen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3315220/publications.pdf>

Version: 2024-02-01

595
papers

56,473
citations

997

114
h-index

1599

216
g-index

605
all docs

605
docs citations

605
times ranked

31588
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 2D/3D Hybrid Cs ₂ AgBiBr ₆ Double Perovskite Solar Cells: Improved Energy Level Alignment for Higher Selectivity and Large Open Circuit Voltage. <i>Advanced Energy Materials</i> , 2022, 12, 2103215. | 19.5 | 62 |
| 2 | Perovskite Solar Cells on Polymer-Coated Smooth and Rough Steel Substrates. <i>Solar Rrl</i> , 2022, 6, . | 5.8 | 14 |
| 3 | Revealing defective interfaces in perovskite solar cells from highly sensitive sub-bandgap photocurrent spectroscopy using optical cavities. <i>Nature Communications</i> , 2022, 13, 349. | 12.8 | 21 |
| 4 | Singlet oxygen formation from photoexcited P3HT:PCBM films applied in oxidation reactions. <i>Materials Advances</i> , 2022, 3, 2063-2069. | 5.4 | 4 |
| 5 | Monolithic All-Perovskite Tandem Solar Cells with Minimized Optical and Energetic Losses. <i>Advanced Materials</i> , 2022, 34, e2110053. | 21.0 | 36 |
| 6 | Efficient organic solar cells with small energy losses based on a wide-bandgap trialkylsilyl-substituted donor polymer and a non-fullerene acceptor. <i>Chemical Engineering Journal</i> , 2022, 435, 134878. | 12.7 | 16 |
| 7 | The Intrinsic Photoluminescence Spectrum of Perovskite Films. <i>Advanced Optical Materials</i> , 2022, 10, . | 7.3 | 14 |
| 8 | Finetuning Hole-Extracting Monolayers for Efficient Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16497-16504. | 8.0 | 18 |
| 9 | The Intrinsic Photoluminescence Spectrum of Perovskite Films (<i>Advanced Optical Materials</i> 8/2022). <i>Advanced Optical Materials</i> , 2022, 10, . | 7.3 | 0 |
| 10 | Perovskite Solar Cells on Steel Substrates. <i>ACS Applied Energy Materials</i> , 2022, 5, 6709-6715. | 5.1 | 10 |
| 11 | Device Performance of Emerging Photovoltaic Materials (Version 1). <i>Advanced Energy Materials</i> , 2021, 11, 2002774. | 19.5 | 93 |
| 12 | Polymorphism of a semi-crystalline diketopyrrolopyrrole-terthiophene polymer. <i>Journal of Polymer Science</i> , 2021, 59, 1285-1292. | 3.8 | 2 |
| 13 | Use of Sodium Diethyldithiocarbamate to Enhance the Open-Circuit Voltage of CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2000811. | 5.8 | 5 |
| 14 | Analysis of the Performance of Narrow-Bandgap Organic Solar Cells Based on a Diketopyrrolopyrrole Polymer and a Nonfullerene Acceptor. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5505-5517. | 3.1 | 11 |
| 15 | Efficient Electron Transport Layer Free Small-Molecule Organic Solar Cells with Superior Device Stability. <i>Advanced Materials</i> , 2021, 33, e2008429. | 21.0 | 51 |
| 16 | Thin Thermally Evaporated Organic Hole Transport Layers for Reduced Optical Losses in Substrate-Configuration Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 3033-3043. | 5.1 | 8 |
| 17 | Efficient Solar Cells Based on a Polymer Donor with $\hat{2}$ -Branching in Trialkylsilyl Side Chains. <i>Organic Materials</i> , 2021, 03, 134-140. | 2.0 | 0 |
| 18 | Noncovalent semiconducting polymer monolayers for high-performance field-effect transistors. <i>Progress in Polymer Science</i> , 2021, 117, 101394. | 24.7 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | The Bottlenecks of Cs ₂ AgBiBr ₆ Solar Cells: How Contacts and Slow Transients Limit the Performance. <i>Advanced Optical Materials</i> , 2021, 9, 2100202. | 7.3 | 35 |
| 20 | Effect of Light-Induced Halide Segregation on the Performance of Mixed-Halide Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 6650-6658. | 5.1 | 26 |
| 21 | Imide-Based Multielectron Anolytes as High-Performance Materials in Nonaqueous Redox Flow Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 9248-9257. | 5.1 | 11 |
| 22 | Pyrene-Based Small-Molecular Hole Transport Layers for Efficient and Stable Narrow-Bandgap Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100454. | 5.8 | 14 |
| 23 | Effect of Co-Solvents on the Crystallization and Phase Distribution of Mixed-Dimensional Perovskites. <i>Advanced Energy Materials</i> , 2021, 11, 2102144. | 19.5 | 25 |
| 24 | A thin and flexible scanner for fingerprints and documents based on metal halide perovskites. <i>Nature Electronics</i> , 2021, 4, 818-826. | 26.0 | 61 |
| 25 | Effect of Co-Solvents on the Crystallization and Phase Distribution of Mixed-Dimensional Perovskites (Adv. Energy Mater. 42/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170168. | 19.5 | 0 |
| 26 | Device Performance of Emerging Photovoltaic Materials (Version 2). <i>Advanced Energy Materials</i> , 2021, 11, . | 19.5 | 66 |
| 27 | Ultralow dark current in near-infrared perovskite photodiodes by reducing charge injection and interfacial charge generation. <i>Nature Communications</i> , 2021, 12, 7277. | 12.8 | 60 |
| 28 | Controlling the Microstructure of Conjugated Polymers in High-Mobility Monolayer Transistors via the Dissolution Temperature. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 846-852. | 13.8 | 61 |
| 29 | On the Origin of Dark Current in Organic Photodiodes. <i>Advanced Optical Materials</i> , 2020, 8, 1901568. | 7.3 | 88 |
| 30 | Organic Photodetectors and their Application in Large Area and Flexible Image Sensors: The Role of Dark Current. <i>Advanced Functional Materials</i> , 2020, 30, 1904205. | 14.9 | 242 |
| 31 | Controlling the Microstructure of Conjugated Polymers in High-Mobility Monolayer Transistors via the Dissolution Temperature. <i>Angewandte Chemie</i> , 2020, 132, 856-862. | 2.0 | 15 |
| 32 | 16.8% Monolithic all-perovskite triple-junction solar cells via a universal two-step solution process. <i>Nature Communications</i> , 2020, 11, 5254. | 12.8 | 36 |
| 33 | Light-Driven Electrochemical Carbon Dioxide Reduction to Carbon Monoxide and Methane Using Perovskite Photovoltaics. <i>Cell Reports Physical Science</i> , 2020, 1, 100058. | 5.6 | 10 |
| 34 | Impact of π -Conjugated Linkers on the Effective Exciton Binding Energy of Diketopyrrolopyrrole-Dithienopyrrole Copolymers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27403-27412. | 3.1 | 20 |
| 35 | Precise Control of Phase Separation Enables 12% Efficiency in All Small Molecule Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2001589. | 19.5 | 33 |
| 36 | Structural design of asymmetric diketopyrrolopyrrole polymers for organic solar cells processed from a non-halogenated solvent. <i>Organic Electronics</i> , 2020, 86, 105914. | 2.6 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Influence of Regioregularity on the Optoelectronic Properties of Conjugated Diketopyrrolopyrrole Polymers Comprising Asymmetric Monomers. <i>Macromolecules</i> , 2020, 53, 7749-7758. | 4.8 | 13 |
| 38 | Effect of main and side chain chlorination on the photovoltaic properties of benzodithiophene- <i>alt</i> -benzotriazole polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15426-15435. | 5.5 | 10 |
| 39 | Development of a Perovskite Solar Cell Architecture for Opaque Substrates. <i>Solar Rrl</i> , 2020, 4, 2000385. | 5.8 | 16 |
| 40 | Photochromic organic solar cells based on diarylethenes. <i>RSC Advances</i> , 2020, 10, 30176-30185. | 3.6 | 10 |
| 41 | Tuning the Optical Characteristics of Diketopyrrolopyrrole Molecules in the Solid State by Alkyl Side Chains. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25229-25238. | 3.1 | 20 |
| 42 | The Effect of <i>alt</i> -Branched Side Chains on the Structural and Optoelectronic Properties of Poly(Diketopyrrolopyrrole- <i>alt</i> -Terthiophene). <i>Chemistry - A European Journal</i> , 2020, 26, 14221-14228. | 3.3 | 12 |
| 43 | High-Accuracy Photoplethysmography Array Using Near-Infrared Organic Photodiodes with Ultralow Dark Current. <i>Advanced Optical Materials</i> , 2020, 8, 1901989. | 7.3 | 34 |
| 44 | Enhancement-Mode PEDOT:PSS Organic Electrochemical Transistors Using Molecular De-Doping. <i>Advanced Materials</i> , 2020, 32, e2000270. | 21.0 | 109 |
| 45 | The effect of alkyl side chain length on the formation of two semi-crystalline phases in low band gap conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5856-5867. | 5.5 | 18 |
| 46 | A Self-Assembled Small-Molecule-Based Hole-Transporting Material for Inverted Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2020, 26, 10276-10282. | 3.3 | 19 |
| 47 | 1000-Pixels per Inch Transistor Arrays Using Multi-Level Imprint Lithography. <i>IEEE Electron Device Letters</i> , 2020, 41, 1217-1220. | 3.9 | 2 |
| 48 | Relation between the Electronic Properties of Regioregular Donor-Acceptor Terpolymers and Their Binary Copolymers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3503-3516. | 3.1 | 8 |
| 49 | Color Determination from a Single Broadband Organic Photodiode. <i>Advanced Optical Materials</i> , 2020, 8, 1901722. | 7.3 | 14 |
| 50 | Understanding the Film Formation Kinetics of Sequential Deposited Narrow-Bandgap Pb-Sn Hybrid Perovskite Films. <i>Advanced Energy Materials</i> , 2020, 10, 2000566. | 19.5 | 33 |
| 51 | Impact of polymorphism on the optoelectronic properties of a low-bandgap semiconducting polymer. <i>Nature Communications</i> , 2019, 10, 2867. | 12.8 | 89 |
| 52 | Insights into Fullerene Passivation of SnO ₂ Electron Transport Layers in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1905883. | 14.9 | 124 |
| 53 | The Mechanism of Dedoping PEDOT:PSS by Aliphatic Polyamines. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24328-24337. | 3.1 | 37 |
| 54 | Relating Frontier Orbital Energies from Voltammetry and Photoelectron Spectroscopy to the Open-Circuit Voltage of Organic Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1803677. | 19.5 | 70 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Solution-Processed Tin Oxide/PEDOT:PSS Interconnecting Layers for Efficient Inverted and Conventional Tandem Polymer Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800366. | 5.8 | 22 |
| 56 | Carboxylate-Substituted Polythiophenes for Efficient Fullerene-Free Polymer Solar Cells: The Effect of Chlorination on Their Properties. <i>Macromolecules</i> , 2019, 52, 4464-4474. | 4.8 | 75 |
| 57 | On the homocoupling of trialkylstannyl monomers in the synthesis of diketopyrrolopyrrole polymers and its effect on the performance of polymer-fullerene photovoltaic cells. <i>RSC Advances</i> , 2019, 9, 15703-15714. | 3.6 | 11 |
| 58 | The influence of siloxane side-chains on the photovoltaic performance of a conjugated polymer. <i>RSC Advances</i> , 2019, 9, 8740-8747. | 3.6 | 13 |
| 59 | Effect of Charge-Transfer State Energy on Charge Generation Efficiency via Singlet Fission in Pentacene/Fullerene Solar Cells. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10253-10261. | 3.1 | 15 |
| 60 | Efficient Thick-Film Polymer Solar Cells with Enhanced Fill Factors via Increased Fullerene Loading. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10794-10800. | 8.0 | 21 |
| 61 | Advances in Solution-Processed Multijunction Organic Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1806499. | 21.0 | 146 |
| 62 | Adjusting Aggregation Modes and Photophysical and Photovoltaic Properties of Diketopyrrolopyrrole-Based Small Molecules by Introducing B-N Bonds. <i>Chemistry - A European Journal</i> , 2019, 25, 564-572. | 3.3 | 19 |
| 63 | Bis(arylimidazole) Iridium Picolinate Emitters and Preferential Dipole Orientation in Films. <i>ACS Omega</i> , 2018, 3, 2673-2682. | 3.5 | 6 |
| 64 | Subnaphthalocyanines as Electron Acceptors in Polymer Solar Cells: Improving Device Performance by Modifying Peripheral and Axial Substituents. <i>Chemistry - A European Journal</i> , 2018, 24, 6339-6343. | 3.3 | 25 |
| 65 | A Universal Route to Fabricate Multi-Junction Polymer Solar Cells via Solution Processing. <i>Solar Rrl</i> , 2018, 2, 1800018. | 5.8 | 13 |
| 66 | Simulating Phase Separation during Spin Coating of a Polymer/Fullerene Blend: A Joint Computational and Experimental Investigation. <i>ACS Applied Energy Materials</i> , 2018, 1, 725-735. | 5.1 | 34 |
| 67 | High-performance all-polymer solar cells based on fluorinated naphthalene diimide acceptor polymers with fine-tuned crystallinity and enhanced dielectric constants. <i>Nano Energy</i> , 2018, 45, 368-379. | 16.0 | 101 |
| 68 | 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. | 3.9 | 7 |
| 69 | All-Oxide MoO ₃ /SnO ₂ Charge Recombination Interconnects for Inverted Organic Tandem Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702533. | 19.5 | 30 |
| 70 | The effect of oxygen on the efficiency of planar n metal halide perovskite solar cells with a PEDOT:PSS hole transport layer. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6882-6890. | 10.3 | 27 |
| 71 | Thermal behaviour of dicarboxylic ester bithiophene polymers exhibiting a high open-circuit voltage. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3731-3742. | 5.5 | 12 |
| 72 | 8.0% Efficient All-Polymer Solar Cells with High Photovoltage of 1.1 V and Internal Quantum Efficiency near Unity. <i>Advanced Energy Materials</i> , 2018, 8, 1700908. | 19.5 | 81 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | A high dielectric constant non-fullerene acceptor for efficient bulk-heterojunction organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 395-403. | 10.3 | 272 |
| 74 | Effects of fluorination and thermal annealing on charge recombination processes in polymer bulk-heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19520-19531. | 10.3 | 5 |
| 75 | The effect of side-chain substitution on the aggregation and photovoltaic performance of diketopyrrolopyrrole-dicarboxylic ester bithiophene polymers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20904-20915. | 10.3 | 18 |
| 76 | Improving Performance of All-Polymer Solar Cells Through Backbone Engineering of Both Donors and Acceptors. <i>Solar Rrl</i> , 2018, 2, 1800247. | 5.8 | 17 |
| 77 | Bilayer Ternary Polymer Solar Cells Fabricated Using Spontaneous Spreading on Water. <i>Advanced Energy Materials</i> , 2018, 8, 1802197. | 19.5 | 26 |
| 78 | Near-Infrared Tandem Organic Photodiodes for Future Application in Artificial Retinal Implants. <i>Advanced Materials</i> , 2018, 30, e1804678. | 21.0 | 66 |
| 79 | The Impact of Device Polarity on the Performance of Polymer Fullerene Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1800550. | 19.5 | 25 |
| 80 | Morphology Optimization via Side Chain Engineering Enables All-Polymer Solar Cells with Excellent Fill Factor and Stability. <i>Journal of the American Chemical Society</i> , 2018, 140, 8934-8943. | 13.7 | 218 |
| 81 | Quadruple Junction Polymer Solar Cells with Four Complementary Absorber Layers. <i>Advanced Materials</i> , 2018, 30, e1803836. | 21.0 | 14 |
| 82 | Study of the morphology of organic ferroelectric diodes with combined scanning force and scanning transmission X-ray microscopy. <i>Organic Electronics</i> , 2018, 53, 242-248. | 2.6 | 5 |
| 83 | Energy Level Tuning of Poly(phenylene-dithienobenzothiadiazole)s for Low Photon Energy Loss Solar Cells. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600502. | 2.2 | 19 |
| 84 | Ferroelectric switching and electrochemistry of pyrrole substituted trialkylbenzene-1,3,5-tricarboxamides. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 673-683. | 2.1 | 13 |
| 85 | The Effect of H ₂ O and J ₂ O Aggregation on the Photophysical and Photovoltaic Properties of Small Thiophene-Pyridine-DPP Molecules for Bulk-Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1605779. | 14.9 | 234 |
| 86 | High-photovoltage all-polymer solar cells based on a diketopyrrolopyrrole-isoindigo acceptor polymer. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11693-11700. | 10.3 | 54 |
| 87 | The effect of side-chain substitution and hot processing on diketopyrrolopyrrole-based polymers for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13748-13756. | 10.3 | 25 |
| 88 | Increasing the horizontal orientation of transition dipole moments in solution processed small molecular emitters. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6555-6562. | 5.5 | 22 |
| 89 | Aqueous Nanoparticle Polymer Solar Cells: Effects of Surfactant Concentration and Processing on Device Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13380-13389. | 8.0 | 56 |
| 90 | High-Performance and Stable All-Polymer Solar Cells Using Donor and Acceptor Polymers with Complementary Absorption. <i>Advanced Energy Materials</i> , 2017, 7, 1602722. | 19.5 | 90 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 91 | Monitoring Thermal Annealing of Perovskite Solar Cells with In Situ Photoluminescence. <i>Advanced Energy Materials</i> , 2017, 7, 1601822. | 19.5 | 59 |
| 92 | 2-Methoxyethanol as a new solvent for processing methylammonium lead halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2346-2354. | 10.3 | 92 |
| 93 | Organic and Hybrid Solar Cells Based on Well-Defined Organic Semiconductors and Morphologies. <i>Advances in Polymer Science</i> , 2017, , 25-49. | 0.8 | 1 |
| 94 | 9.0% power conversion efficiency from ternary all-polymer solar cells. <i>Energy and Environmental Science</i> , 2017, 10, 2212-2221. | 30.8 | 200 |
| 95 | Accurate Characterization of Triple-junction Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1701664. | 19.5 | 14 |
| 96 | Conjugated Polymers Based on Difluorobenzoxadiazole toward Practical Application of Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1702033. | 19.5 | 39 |
| 97 | Sub-micrometer Structure Formation during Spin Coating Revealed by Time-Resolved In Situ Laser and X-ray Scattering. <i>Advanced Functional Materials</i> , 2017, 27, 1702516. | 14.9 | 35 |
| 98 | Highly Efficient Perovskite Solar Cells Using Non-toxic Industry Compatible Solvent System. <i>Solar Rrl</i> , 2017, 1, 1700091. | 5.8 | 62 |
| 99 | Thiophene Rings Improve the Device Performance of Conjugated Polymers in Polymer Solar Cells with Thick Active Layers. <i>Advanced Energy Materials</i> , 2017, 7, 1700519. | 19.5 | 49 |
| 100 | Diketopyrrolopyrrole-Based Conjugated Polymers with Perylene Bisimide Side Chains for Single-Component Organic Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 7073-7077. | 6.7 | 93 |
| 101 | Double-Cable-Conjugated Polymers with Linear Backbone toward High Quantum Efficiencies in Single-Component Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 18647-18656. | 13.7 | 119 |
| 102 | The Role of the Axial Substituent in Subphthalocyanine Acceptors for Bulk-heterojunction Solar Cells. <i>Angewandte Chemie</i> , 2017, 129, 154-158. | 2.0 | 26 |
| 103 | The Role of the Axial Substituent in Subphthalocyanine Acceptors for Bulk-heterojunction Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 148-152. | 13.8 | 105 |
| 104 | Thin Films: Sub-micrometer Structure Formation during Spin Coating Revealed by Time-Resolved In Situ Laser and X-ray Scattering (<i>Adv. Funct. Mater.</i> 46/2017). <i>Advanced Functional Materials</i> , 2017, 27, . | 14.9 | 0 |
| 105 | Ultrafast Charge and Triplet State Formation in Diketopyrrolopyrrole Low Band Gap Polymer/Fullerene Blends: Influence of Nanoscale Morphology of Organic Photovoltaic Materials on Charge Recombination to the Triplet State. <i>Journal of Spectroscopy</i> , 2017, 2017, 1-16. | 1.3 | 24 |
| 106 | Electro-optical Properties of Neutral and Radical Ion Thienosquaraines. <i>Chemistry - A European Journal</i> , 2016, 22, 10179-10186. | 3.3 | 28 |
| 107 | Ambipolar Organic Tri-gate Transistor for Low-power Complementary Electronics. <i>Advanced Materials</i> , 2016, 28, 284-290. | 21.0 | 39 |
| 108 | Asymmetric Diketopyrrolopyrrole Conjugated Polymers for Field-effect Transistors and Polymer Solar Cells Processed from a Nonchlorinated Solvent. <i>Advanced Materials</i> , 2016, 28, 943-950. | 21.0 | 155 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Effect of Förster-mediated triplet-polaron quenching and triplet-triplet annihilation on the efficiency roll-off of organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2016, 119, . | 2.5 | 38 |
| 110 | Dielectric interface-dependent spatial charge distribution in ambipolar polymer semiconductors embedded in dual-gate field-effect transistors. <i>Applied Physics Letters</i> , 2016, 109, . | 3.3 | 9 |
| 111 | Perfluoroalkyl-substituted conjugated polymers as electron acceptors for all-polymer solar cells: the effect of diiodoperfluoroalkane additives. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7736-7745. | 10.3 | 31 |
| 112 | Water Splitting with Series-Connected Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26972-26981. | 8.0 | 10 |
| 113 | High Performance All-Polymer Solar Cells by Synergistic Effects of Fine-Tuned Crystallinity and Solvent Annealing. <i>Journal of the American Chemical Society</i> , 2016, 138, 10935-10944. | 13.7 | 401 |
| 114 | True ferroelectric switching in thin films of trialkylbenzene-1,3,5-tricarboxamide (BTA). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23663-23672. | 2.8 | 34 |
| 115 | Effect of Alkyl Side Chains of Conjugated Polymer Donors on the Device Performance of Non-Fullerene Solar Cells. <i>Macromolecules</i> , 2016, 49, 6445-6454. | 4.8 | 76 |
| 116 | High open circuit voltage polymer solar cells enabled by employing thiazoles in semiconducting polymers. <i>Polymer Chemistry</i> , 2016, 7, 5730-5738. | 3.9 | 32 |
| 117 | Toward Practical Useful Polymers for Highly Efficient Solar Cells via a Random Copolymer Approach. <i>Journal of the American Chemical Society</i> , 2016, 138, 10782-10785. | 13.7 | 101 |
| 118 | Dichotomous Role of Exciting the Donor or the Acceptor on Charge Generation in Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 10026-10031. | 13.7 | 67 |
| 119 | Pulse-modulated multilevel data storage in an organic ferroelectric resistive memory diode. <i>Scientific Reports</i> , 2016, 6, 24407. | 3.3 | 37 |
| 120 | Evidence for exciton quenching by hole polarons in thick P3HT:PCBM solar cells. , 2016, , . | | 1 |
| 121 | Reply to 'Tandem organic solar cells revisited'. <i>Nature Photonics</i> , 2016, 10, 355-355. | 31.4 | 4 |
| 122 | Transition dipole moment orientation in films of solution processed fluorescent oligomers: investigating the influence of molecular anisotropy. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6302-6308. | 5.5 | 17 |
| 123 | Structure-property relationships for bis-diketopyrrolopyrrole molecules in organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10532-10541. | 10.3 | 30 |
| 124 | Highly Efficient Hybrid Polymer and Amorphous Silicon Multijunction Solar Cells with Effective Optical Management. <i>Advanced Materials</i> , 2016, 28, 2170-2177. | 21.0 | 36 |
| 125 | Data retention in organic ferroelectric resistive switches. <i>Organic Electronics</i> , 2016, 31, 56-62. | 2.6 | 15 |
| 126 | Conjugated polymer with ternary electron-deficient units for ambipolar nanowire field-effect transistors. <i>Journal of Polymer Science Part A</i> , 2016, 54, 34-38. | 2.3 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 127 | Optimized light-driven electrochemical water splitting with tandem polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5107-5114. | 10.3 | 26 |
| 128 | Effect of side chain length on the charge transport, morphology, and photovoltaic performance of conjugated polymers in bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1855-1866. | 10.3 | 74 |
| 129 | Diketopyrrolopyrrole Polymers for Organic Solar Cells. <i>Accounts of Chemical Research</i> , 2016, 49, 78-85. | 15.6 | 435 |
| 130 | The effect of branching in a semiconducting polymer on the efficiency of organic photovoltaic cells. <i>Chemical Communications</i> , 2016, 52, 92-95. | 4.1 | 14 |
| 131 | Depositing Fullerenes in Swollen Polymer Layers via Sequential Processing of Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500464. | 19.5 | 48 |
| 132 | High Performance Polymer Nanowire Field-Effect Transistors with Distinct Molecular Orientations. <i>Advanced Materials</i> , 2015, 27, 4963-4968. | 21.0 | 79 |
| 133 | Morphology reconstruction of nanoscale phase separation in polymer memory blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1231-1237. | 2.1 | 12 |
| 134 | Wide-Bandgap Benzodithiophene-Benzothiadiazole Copolymers for Highly Efficient Multijunction Polymer Solar Cells. <i>Advanced Materials</i> , 2015, 27, 4461-4468. | 21.0 | 99 |
| 135 | Plastic Solar Cells: Understanding the Special Additive. <i>Frontiers for Young Minds</i> , 2015, 3, . | 0.8 | 0 |
| 136 | Stochastic modeling and predictive simulations for the microstructure of organic semiconductor films processed with different spin coating velocities. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2015, 23, 045003. | 2.0 | 15 |
| 137 | Deep Absorbing Porphyrin Small Molecule for High-Performance Organic Solar Cells with Very Low Energy Losses. <i>Journal of the American Chemical Society</i> , 2015, 137, 7282-7285. | 13.7 | 436 |
| 138 | High Quantum Efficiencies in Polymer Solar Cells at Energy Losses below 0.6 eV. <i>Journal of the American Chemical Society</i> , 2015, 137, 2231-2234. | 13.7 | 365 |
| 139 | A real-time study of the benefits of co-solvents in polymer solar cell processing. <i>Nature Communications</i> , 2015, 6, 6229. | 12.8 | 287 |
| 140 | A regioregular terpolymer comprising two electron-deficient and one electron-rich unit for ultra small band gap solar cells. <i>Chemical Communications</i> , 2015, 51, 4290-4293. | 4.1 | 48 |
| 141 | Surface Directed Phase Separation of Semiconductor Ferroelectric Polymer Blends and their Use in Non-Volatile Memories. <i>Advanced Functional Materials</i> , 2015, 25, 278-286. | 14.9 | 44 |
| 142 | Polymer-polymer solar cells with a near-infrared spectral response. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6756-6760. | 10.3 | 41 |
| 143 | Characterization of tandem organic solar cells. <i>Nature Photonics</i> , 2015, 9, 478-479. | 31.4 | 52 |
| 144 | The Importance of Moisture in Hybrid Lead Halide Perovskite Thin Film Fabrication. <i>ACS Nano</i> , 2015, 9, 9380-9393. | 14.6 | 451 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Large-area soft-imprinted nanowire networks as light trapping transparent conductors. <i>Scientific Reports</i> , 2015, 5, 11414. | 3.3 | 53 |
| 146 | Conjugated polymers with deep LUMO levels for field-effect transistors and polymer-polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8255-8261. | 5.5 | 23 |
| 147 | Synthesis, characterization and device optimisation of new poly(benzo[1,2-b:4,5-b ²]dithiophene-alt-thieno[3,4-d]thiazole) derivatives for solar cell applications. <i>Polymer Chemistry</i> , 2015, 6, 3956-3961. | 3.9 | 6 |
| 148 | Fundamental Tradeoff between Emission Intensity and Efficiency in Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2015, 25, 3066-3073. | 14.9 | 67 |
| 149 | Effects of Cross-Conjugation on the Optical Absorption and Frontier Orbital Levels of Donor-Acceptor Polymers. <i>Macromolecules</i> , 2015, 48, 2435-2443. | 4.8 | 29 |
| 150 | Photoelectrochemical water splitting in an organic artificial leaf. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23936-23945. | 10.3 | 61 |
| 151 | Kinetic Monte Carlo simulation of the efficiency roll-off, emission color, and degradation of organic light-emitting diodes (Presentation Recording)., 2015, . | | 0 |
| 152 | Electrical conduction of LiF interlayers in organic diodes. <i>Journal of Applied Physics</i> , 2015, 117, . | 2.5 | 10 |
| 153 | Failure analysis in ITO-free all-solution processed organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20567-20578. | 10.3 | 17 |
| 154 | Polymer Solar Cells: Solubility Controls Fiber Network Formation. <i>Journal of the American Chemical Society</i> , 2015, 137, 11783-11794. | 13.7 | 133 |
| 155 | Kinetic Monte Carlo Study of the Sensitivity of OLED Efficiency and Lifetime to Materials Parameters. <i>Advanced Functional Materials</i> , 2015, 25, 2024-2037. | 14.9 | 81 |
| 156 | Controlling the Dominant Length Scale of Liquid-Liquid Phase Separation in Spin-coated Organic Semiconductor Films. <i>Advanced Functional Materials</i> , 2015, 25, 855-863. | 14.9 | 52 |
| 157 | CHAPTER 11. Multi-Junction Polymer Solar Cells. <i>RSC Polymer Chemistry Series</i> , 2015, , 310-351. | 0.2 | 2 |
| 158 | Monte Carlo study of efficiency roll-off of phosphorescent organic light-emitting diodes: Evidence for dominant role of triplet-polaron quenching. <i>Applied Physics Letters</i> , 2014, 105, . | 3.3 | 77 |
| 159 | Scanning tunnelling microscopy on organic field-effect transistors based on intrinsic pentacene. <i>Applied Physics Letters</i> , 2014, 104, 263301. | 3.3 | 3 |
| 160 | Lithium fluoride injection layers can form quasi-Ohmic contacts for both holes and electrons. <i>Applied Physics Letters</i> , 2014, 105, 123302. | 3.3 | 17 |
| 161 | Fundamental Limitations for Electroluminescence in Organic Dual-Gate Field-Effect Transistors. <i>Advanced Materials</i> , 2014, 26, 4450-4455. | 21.0 | 14 |
| 162 | Charge transfer state energy in ternary bulk-heterojunction polymer-fullerene solar cells. <i>Journal of Photonics for Energy</i> , 2014, 5, 057203. | 1.3 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 163 | Relation between the electroforming voltage in alkali halide-polymer diodes and the bandgap of the alkali halide. <i>Applied Physics Letters</i> , 2014, 105, 233502. | 3.3 | 5 |
| 164 | Superheated high-temperature size-exclusion chromatography with chloroform as the mobile phase for I ϵ -conjugated polymers. <i>Polymer Chemistry</i> , 2014, 5, 558-561. | 3.9 | 8 |
| 165 | Polymer Solar Cells with Diketopyrrolopyrrole Conjugated Polymers as the Electron Donor and Electron Acceptor. <i>Advanced Materials</i> , 2014, 26, 3304-3309. | 21.0 | 245 |
| 166 | Wide band gap diketopyrrolopyrrole-based conjugated polymers incorporating biphenyl units applied in polymer solar cells. <i>Chemical Communications</i> , 2014, 50, 679-681. | 4.1 | 70 |
| 167 | High balanced ambipolar charge carrier mobility in benzodipyrrolidone conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 731-735. | 5.5 | 32 |
| 168 | Influence of the Position of the Side Chain on Crystallization and Solar Cell Performance of DPP-Based Small Molecules. <i>Chemistry of Materials</i> , 2014, 26, 916-926. | 6.7 | 113 |
| 169 | Comparing random and regular diketopyrrolopyrrole- ϵ -bithiophene- ϵ -thienopyrrolodione terpolymers for organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17899-17905. | 10.3 | 76 |
| 170 | Contactless charge carrier mobility measurement in organic field-effect transistors. <i>Organic Electronics</i> , 2014, 15, 2855-2861. | 2.6 | 2 |
| 171 | Nanoscale Organic Ferroelectric Resistive Switches. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3305-3312. | 3.1 | 42 |
| 172 | Indium Tin Oxide-Free Tandem Polymer Solar Cells on Opaque Substrates with Top Illumination. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13937-13944. | 8.0 | 14 |
| 173 | The Role of Photon Energy in Free Charge Generation in Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400416. | 19.5 | 12 |
| 174 | Small-Bandgap Semiconducting Polymers with High Near-Infrared Photoresponse. <i>Journal of the American Chemical Society</i> , 2014, 136, 12130-12136. | 13.7 | 259 |
| 175 | Photoluminescence quenching in films of conjugated polymers by electrochemical doping. <i>Physical Review B</i> , 2014, 89, . | 3.2 | 40 |
| 176 | Homocoupling Defects in Diketopyrrolopyrrole-Based Copolymers and Their Effect on Photovoltaic Performance. <i>Journal of the American Chemical Society</i> , 2014, 136, 11128-11133. | 13.7 | 174 |
| 177 | Origin of Work Function Modification by Ionic and Amine-Based Interface Layers. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400189. | 3.7 | 121 |
| 178 | Effect of the Fibrillar Microstructure on the Efficiency of High Molecular Weight Diketopyrrolopyrrole-Based Polymer Solar Cells. <i>Advanced Materials</i> , 2014, 26, 1565-1570. | 21.0 | 207 |
| 179 | All-solution-processed organic solar cells with conventional architecture. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 267-272. | 6.2 | 38 |
| 180 | Predicting Morphologies of Solution Processed Polymer:Fullerene Blends. <i>Journal of the American Chemical Society</i> , 2013, 135, 12057-12067. | 13.7 | 274 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 181 | Light Emission in the Unipolar Regime of Ambipolar Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2013, 23, 4133-4139. | 14.9 | 26 |
| 182 | Quasi-One Dimensional in-Plane Conductivity in Filamentary Films of PEDOT:PSS. <i>Advanced Functional Materials</i> , 2013, 23, 5778-5786. | 14.9 | 47 |
| 183 | Effect of structure on the solubility and photovoltaic properties of bis-diketopyrrolopyrrole molecules. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15150. | 10.3 | 35 |
| 184 | Multi-bit organic ferroelectric memory. <i>Organic Electronics</i> , 2013, 14, 3399-3405. | 2.6 | 25 |
| 185 | Universal Correlation between Fibril Width and Quantum Efficiency in Diketopyrrolopyrrole-Based Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 18942-18948. | 13.7 | 305 |
| 186 | Factors Limiting Device Efficiency in Organic Photovoltaics. <i>Advanced Materials</i> , 2013, 25, 1847-1858. | 21.0 | 550 |
| 187 | Carrier Recombination in Polymer Fullerene Solar Cells Probed by Reversible Exchange of Charge between the Active Layer and Electrodes Induced by a Linearly Varying Voltage. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3210-3220. | 3.1 | 10 |
| 188 | Probing Electric Fields in Polymer Tandem and Single Junction Cells with Electroabsorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4374-4382. | 3.1 | 7 |
| 189 | Efficient Polymer Solar Cells on Opaque Substrates with a Laminated PEDOT:PSS Top Electrode. <i>Advanced Energy Materials</i> , 2013, 3, 782-787. | 19.5 | 84 |
| 190 | Efficient Small Bandgap Polymer Solar Cells with High Fill Factors for 300 nm Thick Films. <i>Advanced Materials</i> , 2013, 25, 3182-3186. | 21.0 | 295 |
| 191 | Synthesis and Photovoltaic Performance of Pyrazinoquinoxaline Containing Conjugated Thiophene-Based Dendrimers and Polymers. <i>Macromolecules</i> , 2013, 46, 2141-2151. | 4.8 | 28 |
| 192 | Synthesis and Optical Properties of Pyrrolo[3,2- <i>b</i>]pyrrole-2,5(1 <i>H</i> ,4 <i>H</i>)-dione (iDPP)-Based Molecules. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2782-2789. | 2.5 | 26 |
| 193 | Dihydropyrroloindole-dione-based copolymers for organic electronics. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2711. | 5.5 | 19 |
| 194 | Efficient Tandem and Triple-Junction Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 5529-5532. | 13.7 | 498 |
| 195 | Quantification and Validation of the Efficiency Enhancement Reached by Application of a Retroreflective Light Trapping Texture on a Polymer Solar Cell. <i>Advanced Energy Materials</i> , 2013, 3, 1013-1017. | 19.5 | 49 |
| 196 | Triple Junction Polymer Solar Cells for Photoelectrochemical Water Splitting. <i>Advanced Materials</i> , 2013, 25, 2932-2936. | 21.0 | 67 |
| 197 | Ester-functionalized poly(3-alkylthiophene) copolymers: Synthesis, physicochemical characterization and performance in bulk heterojunction organic solar cells. <i>Organic Electronics</i> , 2013, 14, 523-534. | 2.6 | 22 |
| 198 | Morphology and Efficiency: The Case of Polymer/ZnO Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 615-621. | 19.5 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 199 | Intramolecular Excimer Formation between 3,6-Di(thiophen-2-yl)pyrrolo[3,4-c<i>c</i>]pyrrole-1,4(2<i>H</i>,5<i>H</i>)-dione Chromophoric Groups Linked by a Flexible Alkyl Spacer. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4828-4837. | 2.5 | 23 |
| 200 | The Curious Out-of-Plane Conductivity of PEDOT:PSS. <i>Advanced Functional Materials</i> , 2013, 23, 5787-5793. | 14.9 | 28 |
| 201 | High-Molecular-Weight Regular Alternating Diketopyrrolopyrrole-Based Terpolymers for Efficient Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8341-8344. | 13.8 | 398 |
| 202 | Band Gap Control in Diketopyrrolopyrrole-Based Polymer Solar Cells Using Electron Donating Side Chains. <i>Advanced Energy Materials</i> , 2013, 3, 674-679. | 19.5 | 33 |
| 203 | Extraction of the materials parameters that determine the mobility in disordered organic semiconductors from the current-voltage characteristics: Accuracy and limitations. <i>Journal of Applied Physics</i> , 2013, 113, 114505. | 2.5 | 9 |
| 204 | Simultaneous Open-Circuit Voltage Enhancement and Short-Circuit Current Loss in Polymer: Fullerene Solar Cells Correlated by Reduced Quantum Efficiency for Photoinduced Electron Transfer. <i>Advanced Energy Materials</i> , 2013, 3, 85-94. | 19.5 | 77 |
| 205 | Diffusion enhancement in on/off ratchets. <i>Applied Physics Letters</i> , 2013, 102, . | 3.3 | 7 |
| 206 | Evidence for space-charge-limited conduction in organic photovoltaic cells at open-circuit conditions. <i>Physical Review B</i> , 2013, 87, . | 3.2 | 17 |
| 207 | Scaling of characteristic frequencies of organic electronic ratchets. <i>Physical Review B</i> , 2012, 85, . | 3.2 | 6 |
| 208 | High-efficiency dielectrophoretic ratchet. <i>Physical Review E</i> , 2012, 86, 041106. | 2.1 | 13 |
| 209 | The performance of organic electronic ratchets. <i>AIP Advances</i> , 2012, 2, . | 1.3 | 7 |
| 210 | Charge transport in amorphous InGaZnO thin-film transistors. <i>Physical Review B</i> , 2012, 86, . | 3.2 | 73 |
| 211 | Synthesis and properties of small band gap thienoisindigo based conjugated polymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 20387. | 6.7 | 83 |
| 212 | Optical Properties of Oligothiophene Substituted Diketopyrrolopyrrole Derivatives in the Solid Phase: Joint J- and H-Type Aggregation. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7927-7936. | 2.5 | 114 |
| 213 | Excitation Energy Shuttling in Oligothiophene-Diketopyrrolopyrrole-Fullerene Triads. <i>Journal of Physical Chemistry A</i> , 2012, 116, 1146-1150. | 2.5 | 13 |
| 214 | Role of Hole Injection in Electroforming of LiF-Polymer Memory Diodes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12443-12447. | 3.1 | 10 |
| 215 | Enhancing the Photocurrent in Diketopyrrolopyrrole-Based Polymer Solar Cells via Energy Level Control. <i>Journal of the American Chemical Society</i> , 2012, 134, 13787-13795. | 13.7 | 258 |
| 216 | Materials interface engineering for solution-processed photovoltaics. <i>Nature</i> , 2012, 488, 304-312. | 27.8 | 1,000 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 217 | Exciton formation and light emission near the organic-organic interface in small-molecule based double-layer OLEDs. <i>Organic Electronics</i> , 2012, 13, 2605-2614. | 2.6 | 11 |
| 218 | The effect of bias light on the spectral responsivity of organic solar cells. <i>Organic Electronics</i> , 2012, 13, 3284-3290. | 2.6 | 38 |
| 219 | Unusual Thermoelectric Behavior Indicating a Hopping to Bandlike Transport Transition in Pentacene. <i>Physical Review Letters</i> , 2012, 109, 016601. | 7.8 | 85 |
| 220 | Effect of PCBM on the Photodegradation Kinetics of Polymers for Organic Photovoltaics. <i>Chemistry of Materials</i> , 2012, 24, 4397-4405. | 6.7 | 73 |
| 221 | Accurate description of charge transport in organic field effect transistors using an experimentally extracted density of states. <i>Physical Review B</i> , 2012, 85, . | 3.2 | 36 |
| 222 | Influence of injected charge carriers on photocurrents in polymer solar cells. <i>Physical Review B</i> , 2012, 85, . | 3.2 | 47 |
| 223 | A New Approach to Model-Based Simulation of Disordered Polymer Blend Solar Cells. <i>Advanced Functional Materials</i> , 2012, 22, 1236-1244. | 14.9 | 25 |
| 224 | Mechanism for Efficient Photoinduced Charge Separation at Disordered Organic Heterointerfaces. <i>Advanced Functional Materials</i> , 2012, 22, 2700-2708. | 14.9 | 98 |
| 225 | Dynamic Processes in Sandwich Polymer Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2012, 22, 4547-4556. | 14.9 | 58 |
| 226 | Solution Processed Polymer Tandem Solar Cell Using Efficient Small and Wide bandgap Polymer:Fullerene Blends. <i>Advanced Materials</i> , 2012, 24, 2130-2134. | 21.0 | 167 |
| 227 | Efficient Inverted Tandem Polymer Solar Cells with a Solution-Processed Recombination Layer. <i>Advanced Energy Materials</i> , 2012, 2, 945-949. | 19.5 | 104 |
| 228 | Influence of Photon Excess Energy on Charge Carrier Dynamics in a Polymer-Fullerene Solar Cell. <i>Advanced Energy Materials</i> , 2012, 2, 1095-1099. | 19.5 | 69 |
| 229 | Broadening the absorption of conjugated polymers by click-functionalization with phthalocyanines. <i>Dalton Transactions</i> , 2011, 40, 3979. | 3.3 | 32 |
| 230 | Diketopyrrolopyrrole-based acceptor polymers for photovoltaic application. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8931. | 2.8 | 56 |
| 231 | Thermal Stability of Poly[2-methoxy-5-(2-phenylethoxy)-1,4-phenylenevinylene] (MPE-PPV):Fullerene Bulk Heterojunction Solar Cells. <i>Macromolecules</i> , 2011, 44, 8470-8478. | 4.8 | 61 |
| 232 | Delayed Fluorescence in Perhydrotriphenylene-Oligothiophene Inclusion Compounds: Evidence for Molecular Oxygen-Related Excited States. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7966-7971. | 2.5 | 4 |
| 233 | Open-Circuit Voltage Limitation in Low-Bandgap Diketopyrrolopyrrole-Based Polymer Solar Cells Processed from Different Solvents. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15075-15080. | 3.1 | 42 |
| 234 | Hybrid Polymer Solar Cells from Zinc Oxide and Poly(3-hexylselenophene). <i>Journal of Physical Chemistry C</i> , 2011, 115, 18901-18908. | 3.1 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 235 | Determination of the exciton singlet-to-triplet ratio in single-layer organic light-emitting diodes. <i>Physical Review B</i> , 2011, 83, . | 3.2 | 23 |
| 236 | Spatial resolution of methods for measuring the light-emission profile in organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2011, 110, 084512. | 2.5 | 7 |
| 237 | Predictive modeling of the current density and radiative recombination in blue polymer-based light-emitting diodes. <i>Journal of Applied Physics</i> , 2011, 109, 064502. | 2.5 | 25 |
| 238 | Copolymers of diketopyrrolopyrrole and thienothiophene for photovoltaic cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 9224. | 6.7 | 85 |
| 239 | Small band gap copolymers based on furan and diketopyrrolopyrrole for field-effect transistors and photovoltaic cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 1600-1606. | 6.7 | 148 |
| 240 | Designing Acceptor Polymers for Organic Photovoltaic Devices. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3178-3187. | 3.1 | 49 |
| 241 | Discriminating between Bilayer and Bulk Heterojunction Polymer:Fullerene Solar Cells Using the External Quantum Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 3252-3255. | 8.0 | 99 |
| 242 | Spatial modeling of the 3D morphology of hybrid polymer-ZnO solar cells, based on electron tomography data. <i>Annals of Applied Statistics</i> , 2011, 5, . | 1.1 | 16 |
| 243 | Organic electronic ratchets doing work. <i>Nature Materials</i> , 2011, 10, 51-55. | 27.5 | 60 |
| 244 | Formation of metastable charges as a first step in photoinduced degradation in π -conjugated polymer:fullerene blends for photovoltaic applications. <i>Organic Electronics</i> , 2011, 12, 1657-1662. | 2.6 | 60 |
| 245 | Doping dynamics in light-emitting electrochemical cells. <i>Organic Electronics</i> , 2011, 12, 1746-1753. | 2.6 | 37 |
| 246 | Thieno[3,2- <i>b</i>]thiophene- π -Diketopyrrolopyrrole-Containing Polymers for High-Performance Organic Field-Effect Transistors and Organic Photovoltaic Devices. <i>Journal of the American Chemical Society</i> , 2011, 133, 3272-3275. | 13.7 | 854 |
| 247 | A novel high-contrast ratio electrochromic material from spiro[cyclododecane-1,9- α^2 -fluorene]bicarbazole. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 333-341. | 2.1 | 41 |
| 248 | Chain Length Dependence in Diketopyrrolopyrrole/Thiophene Oligomers. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 515-520. | 2.2 | 14 |
| 249 | Description of the Morphology Dependent Charge Transport and Performance of Polymer:Fullerene Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2011, 21, 261-269. | 14.9 | 86 |
| 250 | Salt Concentration Effects in Planar Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2011, 21, 1795-1802. | 14.9 | 70 |
| 251 | Quantifying Bimolecular Recombination Losses in Organic Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2011, 23, 1670-1674. | 21.0 | 328 |
| 252 | Controlling the Morphology and Efficiency of Hybrid ZnO:Polythiophene Solar Cells Via Side Chain Functionalization. <i>Advanced Energy Materials</i> , 2011, 1, 90-96. | 19.5 | 80 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 253 | Measuring the current density \hat{c} voltage characteristics of individual subcells in two-terminal polymer tandem solar cells. <i>Organic Electronics</i> , 2011, 12, 660-665. | 2.6 | 16 |
| 254 | A MULTISCALE APPROACH TO THE REPRESENTATION OF 3D IMAGES, WITH APPLICATION TO POLYMER SOLAR CELLS. <i>Image Analysis and Stereology</i> , 2011, 30, 19. | 0.9 | 8 |
| 255 | Fast ambipolar integrated circuits with poly(diketopyrrolopyrrole- terthiophene). <i>Applied Physics Letters</i> , 2011, 98, . | 3.3 | 43 |
| 256 | Charge separation and (triplet) recombination in diketopyrrolopyrrole \hat{c} fullerene triads. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1055-1065. | 2.9 | 57 |
| 257 | Fused ring thiophene-based poly(heteroarylene ethynylene)s for organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1759-1766. | 6.2 | 37 |
| 258 | Controlling morphology and photovoltaic properties by chemical structure in copolymers of cyclopentadithiophene and thiophene segments. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 2218-2222. | 6.2 | 4 |
| 259 | Introduction to the Issue on Next-Generation Organic and Hybrid Solar Cells. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1512-1513. | 2.9 | 3 |
| 260 | Measuring the External Quantum Efficiency of Two \hat{c} Terminal Polymer Tandem Solar Cells. <i>Advanced Functional Materials</i> , 2010, 20, 3904-3911. | 14.9 | 90 |
| 261 | Optimizing Polymer Tandem Solar Cells. <i>Advanced Materials</i> , 2010, 22, E67-71. | 21.0 | 221 |
| 262 | Efficient Solar Cells Based on an Easily Accessible Diketopyrrolopyrrole Polymer. <i>Advanced Materials</i> , 2010, 22, E242-6. | 21.0 | 358 |
| 263 | Improved Film Morphology Reduces Charge Carrier Recombination into the Triplet Excited State in a Small Bandgap Polymer \hat{c} Fullerene Photovoltaic Cell. <i>Advanced Materials</i> , 2010, 22, 4321-4324. | 21.0 | 151 |
| 264 | Revealing Buried Interfaces to Understand the Origins of Threshold Voltage Shifts in Organic Field \hat{c} Effect Transistors. <i>Advanced Materials</i> , 2010, 22, 5105-5109. | 21.0 | 101 |
| 265 | Diketopyrrolopyrroles as Acceptor Materials in Organic Photovoltaics. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1554-1559. | 3.9 | 81 |
| 266 | Electron transport in the organic small-molecule material BAq \hat{c} the role of correlated disorder and traps. <i>Organic Electronics</i> , 2010, 11, 1408-1413. | 2.6 | 30 |
| 267 | Dual-emissive quantum dots for multispectral intraoperative fluorescence imaging. <i>Biomaterials</i> , 2010, 31, 6823-6832. | 11.4 | 38 |
| 268 | An ESR study on electron-capture phosphorus-centred radicals in solid matrices of alkyl/phenyl phosphine sulfides and selenides. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010, 108, 262-267. | 0.0 | 7 |
| 269 | Measuring the light emission profile in organic light-emitting diodes with nanometre spatial resolution. <i>Nature Photonics</i> , 2010, 4, 329-335. | 31.4 | 82 |
| 270 | Relation between the built-in voltage in organic light-emitting diodes and the zero-field voltage as measured by electroabsorption. <i>Physical Review B</i> , 2010, 81, . | 3.2 | 29 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 271 | Trapping of electrons in metal oxide-polymer memory diodes in the initial stage of electroforming. Applied Physics Letters, 2010, 97, . | 3.3 | 17 |
| 272 | Maximizing the open-circuit voltage of polymer: Fullerene solar cells. Applied Physics Letters, 2010, 97, . | 3.3 | 41 |
| 273 | Modeling the temperature induced degradation kinetics of the short circuit current in organic bulk heterojunction solar cells. Applied Physics Letters, 2010, 96, . | 3.3 | 90 |
| 274 | Connecting Scanning Tunneling Spectroscopy to Device Performance for Polymer:Fullerene Organic Solar Cells. ACS Nano, 2010, 4, 1385-1392. | 14.6 | 22 |
| 275 | Hole transport in the organic small molecule material Î±-NPD: evidence for the presence of correlated disorder. Journal of Applied Physics, 2010, 107, . | 2.5 | 72 |
| 276 | Large Electrically Induced Height and Volume Changes in Poly(3,4-ethylenedioxythiophene)/Poly(styrenesulfonate) Thin Films. Chemistry of Materials, 2010, 22, 3670-3677. | 6.7 | 12 |
| 277 | Probing Charge Carrier Density in a Layer of Photodoped ZnO Nanoparticles by Spectroscopic Ellipsometry. Journal of Physical Chemistry C, 2010, 114, 14804-14810. | 3.1 | 57 |
| 278 | Self-Assembling Thiophene Dendrimers with a Hexa- <i>peri</i> -hexabenzocoronene Core~Synthesis, Characterization and Performance in Bulk Heterojunction Solar Cells. Chemistry of Materials, 2010, 22, 457-466. | 6.7 | 113 |
| 279 | A Unifying Model for the Operation of Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2010, 132, 13776-13781. | 13.7 | 232 |
| 280 | Charge Separation and Recombination in Small Band Gap Oligomer~Fullerene Triads. Journal of Physical Chemistry B, 2010, 114, 14149-14156. | 2.6 | 17 |
| 281 | Small band gap polymers based on diketopyrrolopyrrole. Journal of Materials Chemistry, 2010, 20, 2240. | 6.7 | 152 |
| 282 | Design and synthesis of side-chain functionalized regioregular poly(3-hexylthiophene)-based copolymers and application in polymer:fullerene bulk heterojunction solar cells. Proceedings of SPIE, 2009, , . | 0.8 | 7 |
| 283 | Scanning Kelvin Probe Microscopy on Bulk Heterojunction Polymer Blends. Advanced Functional Materials, 2009, 19, 1379-1386. | 14.9 | 103 |
| 284 | The Energy of Charge~Transfer States in Electron Donor~Acceptor Blends: Insight into the Energy Losses in Organic Solar Cells. Advanced Functional Materials, 2009, 19, 1939-1948. | 14.9 | 907 |
| 285 | Copolymers of Cyclopentadithiophene and Electron~Deficient Aromatic Units Designed for Photovoltaic Applications. Advanced Functional Materials, 2009, 19, 3262-3270. | 14.9 | 146 |
| 286 | Electroluminescent Cu~doped CdS Quantum Dots. Advanced Materials, 2009, 21, 2916-2920. | 21.0 | 93 |
| 287 | Shape~Persistent Oligothiophylene~Ethynylene~Based Dendrimers: Synthesis, Spectroscopy and Electrochemical Characterization. Chemistry - A European Journal, 2009, 15, 13521-13534. | 3.3 | 36 |
| 288 | A round robin study of flexible large-area roll-to-roll processed polymer solar cell modules. Solar Energy Materials and Solar Cells, 2009, 93, 1968-1977. | 6.2 | 205 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 289 | The effect of three-dimensional morphology on the efficiency of hybrid polymer solar cells. <i>Nature Materials</i> , 2009, 8, 818-824. | 27.5 | 511 |
| 290 | Monolayer coverage and channel length set the mobility in self-assembled monolayer field-effect transistors. <i>Nature Nanotechnology</i> , 2009, 4, 674-680. | 31.5 | 121 |
| 291 | Bimolecular recombination in ambipolar organic field effect transistors. <i>Organic Electronics</i> , 2009, 10, 994-997. | 2.6 | 19 |
| 292 | The influence of side chains on solubility and photovoltaic performance of dithiophene- <i>thienopyrazine</i> small band gap copolymers. <i>Polymer</i> , 2009, 50, 4564-4570. | 3.8 | 50 |
| 293 | Electron transport in polyfluorene-based sandwich-type devices: Quantitative analysis of the effects of disorder and electron traps. <i>Physical Review B</i> , 2009, 80, . | 3.2 | 39 |
| 294 | Substituted 2,1,3-Benzothiadiazole- And Thiophene-Based Polymers for Solar Cells - Introducing a New Thermocleavable Precursor. <i>Chemistry of Materials</i> , 2009, 21, 4669-4675. | 6.7 | 132 |
| 295 | Photovoltaic Performance of an Ultrasmall Band Gap Polymer. <i>Organic Letters</i> , 2009, 11, 903-906. | 4.6 | 128 |
| 296 | Functionalized Dendritic Oligothiophenes: Ruthenium Phthalocyanine Complexes and Their Application in Bulk Heterojunction Solar Cells. <i>Journal of the American Chemical Society</i> , 2009, 131, 8669-8676. | 13.7 | 119 |
| 297 | Large Photoinduced Circular Dichroism in Chiral Polyfluorene. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10891-10894. | 2.5 | 7 |
| 298 | Intensive Chiroptical Properties of Chiral Polyfluorenes Associated with Fibril Formation. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14047-14051. | 2.6 | 21 |
| 299 | PbSe Nanocrystal Network Formation during Pyridine Ligand Displacement. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 244-250. | 8.0 | 64 |
| 300 | Biaxially Oriented CdSe Nanorods. <i>Langmuir</i> , 2009, 25, 10970-10974. | 3.5 | 14 |
| 301 | Anisotropic Dielectric Tensor for Chiral Polyfluorene at Optical Frequencies. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14165-14171. | 2.6 | 11 |
| 302 | Hybrid Polymer-Inorganic Photovoltaic Cells. , 2009, , 321-385. | | 8 |
| 303 | Helical Aromatic Oligoamide Foldamers as Organizational Scaffolds for Photoinduced Charge Transfer. <i>Journal of the American Chemical Society</i> , 2009, 131, 4819-4829. | 13.7 | 95 |
| 304 | Themed issue: solar cells. <i>Journal of Materials Chemistry</i> , 2009, 19, 5276. | 6.7 | 6 |
| 305 | Poly(diketopyrrolopyrrole- <i>terthiophene</i>) for Ambipolar Logic and Photovoltaics. <i>Journal of the American Chemical Society</i> , 2009, 131, 16616-16617. | 13.7 | 721 |
| 306 | Conjugated Oligothiophenyl Dendrimers Based on a Pyrazino[2,3- <i>g</i>]quinoxaline Core. <i>Organic Letters</i> , 2009, 11, 4500-4503. | 4.6 | 51 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 307 | Electronic structure of small band gap oligomers based on cyclopentadithiophenes and acceptor units. <i>Journal of Materials Chemistry</i> , 2009, 19, 5343. | 6.7 | 63 |
| 308 | On the Origin of Small Band Gaps in Alternating Thiophene-Thienopyrazine Oligomers. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10343-10350. | 2.5 | 36 |
| 309 | Effect of Extended Thiophene Segments in Small Band Gap Polymers with Thienopyrazine. <i>Chemistry of Materials</i> , 2009, 21, 1663-1669. | 6.7 | 53 |
| 310 | Highly Luminescent Ultranarrow Mn Doped ZnSe Nanowires. <i>Nano Letters</i> , 2009, 9, 745-750. | 9.1 | 102 |
| 311 | Synthesis and photovoltaic performance of a series of small band gap polymers. <i>Journal of Materials Chemistry</i> , 2009, 19, 5336. | 6.7 | 92 |
| 312 | Core-functionalized dendritic oligothiophenes—novel donor-acceptor systems. <i>Journal of Materials Chemistry</i> , 2009, 19, 4784. | 6.7 | 26 |
| 313 | Morphological Device Model for Organic Bulk Heterojunction Solar Cells. <i>Nano Letters</i> , 2009, 9, 3032-3037. | 9.1 | 120 |
| 314 | Analysis of hole transport in a polyfluorene-based copolymer—evidence for the absence of correlated disorder. <i>Applied Physics Letters</i> , 2009, 94, 163307. | 3.3 | 37 |
| 315 | A Morphological Model for the Solvent-Enhanced Conductivity of PEDOT:PSS Thin Films. <i>Advanced Functional Materials</i> , 2008, 18, 865-871. | 14.9 | 333 |
| 316 | Solution-Processed Bulk Heterojunction Solar Cells Based on Monodisperse Dendritic Oligothiophenes. <i>Advanced Functional Materials</i> , 2008, 18, 3323-3331. | 14.9 | 234 |
| 317 | Charge Trapping at the Dielectric of Organic Transistors Visualized in Real Time and Space. <i>Advanced Materials</i> , 2008, 20, 975-979. | 21.0 | 141 |
| 318 | Manipulating the Local Light Emission in Organic Light-Emitting Diodes by using Patterned Self-Assembled Monolayers. <i>Advanced Materials</i> , 2008, 20, 2703-2706. | 21.0 | 26 |
| 319 | Narrow-Bandgap Diketo-Pyrrolo-Pyrrole Polymer Solar Cells: The Effect of Processing on the Performance. <i>Advanced Materials</i> , 2008, 20, 2556-2560. | 21.0 | 671 |
| 320 | Conductivity, work function, and environmental stability of PEDOT:PSS thin films treated with sorbitol. <i>Organic Electronics</i> , 2008, 9, 727-734. | 2.6 | 609 |
| 321 | The synthesis and photovoltaic performance of regioregular poly[3-(n-butoxymethyl)thiophene]. <i>Thin Solid Films</i> , 2008, 516, 7176-7180. | 1.8 | 8 |
| 322 | Switching dynamics in non-volatile polymer memories. <i>Organic Electronics</i> , 2008, 9, 829-833. | 2.6 | 13 |
| 323 | Real versus Measured Surface Potentials in Scanning Kelvin Probe Microscopy. <i>ACS Nano</i> , 2008, 2, 622-626. | 14.6 | 116 |
| 324 | Hole transport in polyfluorene-based sandwich-type devices: Quantitative analysis of the role of energetic disorder. <i>Physical Review B</i> , 2008, 78, . | 3.2 | 102 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 325 | Energy transfer in hybrid quantum dot light-emitting diodes. <i>Journal of Applied Physics</i> , 2008, 104, 013108. | 2.5 | 46 |
| 326 | Small Band Gap Oligothieno[3,4-b]pyrazines. <i>Organic Letters</i> , 2008, 10, 3513-3516. | 4.6 | 30 |
| 327 | The Relationship between Nanoscale Architecture and Function in Photovoltaic Multichromophoric Arrays as Visualized by Kelvin Probe Force Microscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 14605-14614. | 13.7 | 85 |
| 328 | Red, green, and blue quantum dot LEDs with solution processable ZnO nanocrystal electron injection layers. <i>Journal of Materials Chemistry</i> , 2008, 18, 1889. | 6.7 | 183 |
| 329 | Compositional and Electric Field Dependence of the Dissociation of Charge Transfer Excitons in Alternating Polyfluorene Copolymer/Fullerene Blends. <i>Journal of the American Chemical Society</i> , 2008, 130, 7721-7735. | 13.7 | 544 |
| 330 | Tetrafullerene Conjugates for All-Organic Photovoltaics. <i>Journal of Organic Chemistry</i> , 2008, 73, 3189-3196. | 3.2 | 48 |
| 331 | Resistive Switching in Organic Memories with a Spin-Coated Metal Oxide Nanoparticle Layer. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5254-5257. | 3.1 | 38 |
| 332 | Triplet Formation Involving a Polar Transition State in a Well-Defined Intramolecular Perylenediimide Dimeric Aggregate. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5846-5857. | 2.5 | 103 |
| 333 | An Oligomer Study on Small Band Gap Polymers. <i>Journal of Physical Chemistry A</i> , 2008, 112, 10764-10773. | 2.5 | 70 |
| 334 | Copolymers of Polyethylene and Perylenediimides through Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2008, 41, 1094-1103. | 4.8 | 18 |
| 335 | Cluster synthesis of branched CdTe nanocrystals for use in light-emitting diodes. <i>Nanotechnology</i> , 2008, 19, 205602. | 2.6 | 22 |
| 336 | Synthesis and Photophysical Properties of Conjugated Polymers with Pendant 9,10-Anthraquinone Units. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4953-4960. | 2.6 | 21 |
| 337 | Enhanced Intersystem Crossing via a High Energy Charge Transfer State in a Perylenediimide-Perylenemonoimide Dyad. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8617-8632. | 2.5 | 61 |
| 338 | Photoluminescence enhancement in thin films of PbSe nanocrystals. <i>Applied Physics Letters</i> , 2008, 93, . | 3.3 | 11 |
| 339 | On the width of the recombination zone in ambipolar organic field effect transistors. <i>Applied Physics Letters</i> , 2008, 93, . | 3.3 | 32 |
| 340 | Anisotropic hopping conduction in spin-coated PEDOT:PSS thin films. <i>Physical Review B</i> , 2007, 76, . | 3.2 | 193 |
| 341 | High aspect ratio surface relief structures by photoembossing. <i>Applied Physics Letters</i> , 2007, 91, . | 3.3 | 28 |
| 342 | A convergent synthesis of (diphenylvinyl)benzene (DPVB) star-shaped compounds with tunable redox, photo- and electroluminescent properties. <i>Journal of Materials Chemistry</i> , 2007, 17, 4274. | 6.7 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 343 | Circular Differential Scattering of Light in Films of Chiral Polyfluorene. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5124-5131. | 2.6 | 39 |
| 344 | Highly Luminescent CdTe/CdSe Colloidal Heteronanocrystals with Temperature-Dependent Emission Color. <i>Journal of the American Chemical Society</i> , 2007, 129, 14880-14886. | 13.7 | 167 |
| 345 | Surface Modification of Zinc Oxide Nanoparticles Influences the Electronic Memory Effects in ZnO~Polystyrene Diodes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10150-10153. | 3.1 | 30 |
| 346 | Phosphorescent Resonant Energy Transfer between Iridium Complexes. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1381-1388. | 2.5 | 40 |
| 347 | Reproducible resistive switching in nonvolatile organic memories. <i>Applied Physics Letters</i> , 2007, 91, . | 3.3 | 126 |
| 348 | Energy and Electron Transfer in a Poly(fluorene-alt-phenylene) Bearing Perylenediimides as Pendant Electron Acceptor Groups. <i>Macromolecules</i> , 2007, 40, 2760-2772. | 4.8 | 81 |
| 349 | The use of ZnO as optical spacer in polymer solar cells: Theoretical and experimental study. <i>Applied Physics Letters</i> , 2007, 91, . | 3.3 | 341 |
| 350 | Donor-Functionalized Polydentate Pyrylium Salts and Phosphinines: Synthesis, Structural Characterization, and Photophysical Properties. <i>Chemistry - A European Journal</i> , 2007, 13, 4548-4559. | 3.3 | 87 |
| 351 | Functionalized 3D Oligothiophene Dendrons and Dendrimers~ Novel Macromolecules for Organic Electronics. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1679-1683. | 13.8 | 230 |
| 352 | Tough, Semiconducting Polyethylene~poly(3~hexylthiophene) Diblock Copolymers. <i>Advanced Functional Materials</i> , 2007, 17, 2674-2679. | 14.9 | 201 |
| 353 | Energy Transfer and Polarized Emission in Cadmium Selenide Nanocrystal Solids with Mixed Dimensionality. <i>Advanced Functional Materials</i> , 2007, 17, 3829-3835. | 14.9 | 26 |
| 354 | Microscopic Understanding of the Anisotropic Conductivity of PEDOT:PSS Thin Films. <i>Advanced Materials</i> , 2007, 19, 1196-1200. | 21.0 | 482 |
| 355 | Picosecond energy transfer in oligo(p-phenylene vinylene) capped gold nanoparticles. <i>Chemical Physics Letters</i> , 2007, 433, 340-344. | 2.6 | 7 |
| 356 | The chiroptical properties of chiral substituted poly[3-((3S)-3,7-dimethyloctyl)thiophene] as a function of film thickness. <i>Chemical Physics Letters</i> , 2007, 437, 193-197. | 2.6 | 24 |
| 357 | Photoinduced absorption spectroscopy on MDMO-PPV:PCBM solar cells under operation. <i>Organic Electronics</i> , 2007, 8, 325-335. | 2.6 | 12 |
| 358 | On the efficiency of polymer solar cells. <i>Nature Materials</i> , 2007, 6, 704-704. | 27.5 | 36 |
| 359 | Electronic memory effects in diodes of zinc oxide nanoparticles in a matrix of polystyrene or poly(3-hexylthiophene). <i>Journal of Applied Physics</i> , 2007, 102, . | 2.5 | 92 |
| 360 | Double and triple junction polymer solar cells processed from solution. <i>Applied Physics Letters</i> , 2007, 90, 143512. | 3.3 | 329 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 361 | Light harvesting tetrafullerene nanoarray for organic solar cells. <i>Chemical Communications</i> , 2006, , 514-516. | 4.1 | 37 |
| 362 | Influence of Intermolecular Orientation on the Photoinduced Charge Transfer Kinetics in Self-Assembled Aggregates of Donor-Acceptor Arrays. <i>Journal of the American Chemical Society</i> , 2006, 128, 649-657. | 13.7 | 171 |
| 363 | The Importance of Nanoscopic Ordering on the Kinetics of Photoinduced Charge Transfer in Aggregated π -Conjugated Hydrogen-Bonded Donor-Acceptor Systems. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16967-16978. | 2.6 | 57 |
| 364 | Low-band gap poly(di-2-thienylthienopyrazine):fullerene solar cells. <i>Applied Physics Letters</i> , 2006, 88, 153511. | 3.3 | 191 |
| 365 | Electronic memory effects in diodes from a zinc oxide nanoparticle-polystyrene hybrid material. <i>Applied Physics Letters</i> , 2006, 89, 102103. | 3.3 | 136 |
| 366 | Control of Film Morphology by Folding Hydrogen-Bonded Oligo(p-phenylenevinylene) Polymers in Solution. <i>Macromolecules</i> , 2006, 39, 784-788. | 4.8 | 27 |
| 367 | Photogeneration and Decay of Charge Carriers in Hybrid Bulk Heterojunctions of ZnO Nanoparticles and Conjugated Polymers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10315-10321. | 2.6 | 56 |
| 368 | High Open-Circuit Voltage Poly(ethynylene bithienylene):Fullerene Solar Cells. <i>Chemistry of Materials</i> , 2006, 18, 5832-5834. | 6.7 | 95 |
| 369 | Synthesis and Characterization of Long Peryleneimide Polymer Fibers: From Bulk to the Single-Molecule Level. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7803-7812. | 2.6 | 55 |
| 370 | Electronic Memory Effects in a Sexithiophene-Poly(ethylene oxide) Block Copolymer Doped with NaCl. Combined Diode and Resistive Switching Behavior. <i>Chemistry of Materials</i> , 2006, 18, 2707-2712. | 6.7 | 59 |
| 371 | Fractal-like Self-Assembly of Oligo(p-phenylene vinylene) Capped Gold Nanoparticles. <i>Journal of the American Chemical Society</i> , 2006, 128, 686-687. | 13.7 | 53 |
| 372 | Solvent Mediated Intramolecular Photoinduced Electron Transfer in a Fluorene-Perylene Bisimide Derivative. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12363-12371. | 2.5 | 33 |
| 373 | High-Resolution Electronic Spectra of Ethylenedioxythiophene Oligomers. <i>Journal of the American Chemical Society</i> , 2006, 128, 17007-17017. | 13.7 | 57 |
| 374 | Organic multi-junction solar cells processed from solution with sensitivity from ultraviolet to the near infrared. , 2006, , . | | 0 |
| 375 | Multicomponent semiconducting polymer systems with low crystallization-induced percolation threshold. <i>Nature Materials</i> , 2006, 5, 950-956. | 27.5 | 302 |
| 376 | Low band gap polymer bulk heterojunction solar cells. <i>Chemical Physics Letters</i> , 2006, 422, 488-491. | 2.6 | 98 |
| 377 | Electro-optical studies on MDMO-PPV:PCBM bulk-heterojunction solar cells on the millisecond time scale: Trapped carriers. <i>Organic Electronics</i> , 2006, 7, 213-221. | 2.6 | 16 |
| 378 | Photoinduced charge and energy transfer in dye-doped conjugated polymers. <i>Thin Solid Films</i> , 2006, 511-512, 581-586. | 1.8 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 379 | Triplet formation from the charge-separated state in blends of MDMO-PPV with cyano-containing acceptor polymers. <i>Thin Solid Films</i> , 2006, 511-512, 333-337. | 1.8 | 28 |
| 380 | Side Chain Mediated Electronic Contact between a Tetrahydro-4H-thiopyran-4-ylidene-Appended Polythiophene and CdTe Quantum Dots. <i>Chemistry - A European Journal</i> , 2006, 12, 8075-8083. | 3.3 | 34 |
| 381 | Hybrid Solar Cells from Regioregular Polythiophene and ZnO Nanoparticles. <i>Advanced Functional Materials</i> , 2006, 16, 1112-1116. | 14.9 | 547 |
| 382 | Solution-Processed Organic Tandem Solar Cells. <i>Advanced Functional Materials</i> , 2006, 16, 1897-1903. | 14.9 | 265 |
| 383 | Pathways for Resonant Energy Transfer in Oligo(phenylenevinylene)â€“Fullerene Dyads: An Atomistic Model. <i>Advanced Materials</i> , 2006, 18, 1301-1306. | 21.0 | 25 |
| 384 | Electronic Memory Effects in Zinc Oxide Nanoparticle -Polystyrene Devices with a Calcium Top Electrode. <i>Materials Research Society Symposia Proceedings</i> , 2006, 965, 1. | 0.1 | 0 |
| 385 | Temperature-dependent built-in potential in organic semiconductor devices. <i>Applied Physics Letters</i> , 2006, 88, 192108. | 3.3 | 63 |
| 386 | Time delayed collection field experiments on polymer: Fullerene bulk-heterojunction solar cells. <i>Journal of Applied Physics</i> , 2006, 100, 074509. | 2.5 | 24 |
| 387 | Absorbing infrared light in polymer solar cells. <i>SPIE Newsroom</i> , 2006, , . | 0.1 | 2 |
| 388 | Hybrid ZnO:polymer bulk heterojunction solar cells from a ZnO precursor. , 2005, , . | | 2 |
| 389 | Low band gap polymer: fullerene solar cells. , 2005, , . | | 1 |
| 390 | Exciplex dynamics in a conjugated polymer blend of MDMO-PPV and PCNEPV. , 2005, , . | | 0 |
| 391 | Monte-Carlo simulations of geminate electron-hole pair dissociation in a molecular heterojunction. , 2005, , . | | 1 |
| 392 | Hybrid bulk heterojunction solar cells: blends of ZnO semiconducting nanoparticles and conjugated polymers. , 2005, , . | | 1 |
| 393 | Monte-Carlo simulations of geminate electronâ€“hole pair dissociation in a molecular heterojunction: a two-step dissociation mechanism. <i>Chemical Physics</i> , 2005, 308, 125-133. | 1.9 | 93 |
| 394 | Comparison of the chain length dependence of the singlet- and triplet-excited states of oligofluorenes. <i>Chemical Physics Letters</i> , 2005, 411, 273-277. | 2.6 | 71 |
| 395 | Selective oxidation of benzene to phenol with nitrous oxide over MFI zeolites1. On the role of iron and aluminum. <i>Journal of Catalysis</i> , 2005, 233, 123-135. | 6.2 | 151 |
| 396 | Organoselenium-substituted poly(p-phenylenevinylene). <i>Heteroatom Chemistry</i> , 2005, 16, 656-662. | 0.7 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 397 | Charge Transfer in Supramolecular Coaggregates of Oligo(p-Phenylene Vinylene) and Perylene Bisimide in Water. <i>ChemPhysChem</i> , 2005, 6, 2029-2031. | 2.1 | 16 |
| 398 | Compositional Dependence of the Performance of Poly(p-phenylene vinylene):Methanofullerene Bulk-Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2005, 15, 795-801. | 14.9 | 383 |
| 399 | Hybrid Solar Cells Using a Zinc Oxide Precursor and a Conjugated Polymer. <i>Advanced Functional Materials</i> , 2005, 15, 1703-1707. | 14.9 | 202 |
| 400 | Electrically Rewritable Memory Cells from Poly(3-hexylthiophene) Schottky Diodes. <i>Advanced Materials</i> , 2005, 17, 1169-1173. | 21.0 | 80 |
| 401 | Synthesis of regioregular poly(3-octylthiophene)s via Suzuki polycondensation and end-group analysis by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1454-1462. | 2.3 | 46 |
| 402 | Polymer- ⁶⁶ Fullerene Bulk Heterojunction Solar Cells. <i>MRS Bulletin</i> , 2005, 30, 33-36. | 3.5 | 171 |
| 403 | Field and temperature dependence of the photocurrent in polymer/fullerene bulk heterojunction solar cells. <i>Applied Physics Letters</i> , 2005, 87, 122104. | 3.3 | 44 |
| 404 | Phosphorescence and Triplet State Energies of Oligothiophenes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4410-4415. | 2.6 | 67 |
| 405 | Crystalline- ⁶⁶ Crystalline Block Copolymers of Regioregular Poly(3-hexylthiophene) and Polyethylene by Ring-Opening Metathesis Polymerization. <i>Journal of the American Chemical Society</i> , 2005, 127, 12502-12503. | 13.7 | 155 |
| 406 | Substitution and Preparation Effects on the Molecular-Scale Morphology of PPV Films. <i>Macromolecules</i> , 2005, 38, 7784-7792. | 4.8 | 29 |
| 407 | Nanoscale Morphology of High-Performance Polymer Solar Cells. <i>Nano Letters</i> , 2005, 5, 579-583. | 9.1 | 1,499 |
| 408 | C60- ⁶⁶ exTTF- ⁶⁶ C60 Dumbbells: Cooperative Effects Stemming from Two C60s on the Radical Ion Pair Stabilization. <i>Organic Letters</i> , 2005, 7, 1691-1694. | 4.6 | 40 |
| 409 | Negative capacitances in low-mobility solids. <i>Physical Review B</i> , 2005, 72, . | 3.2 | 87 |
| 410 | Hybrid Zinc Oxide Conjugated Polymer Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9505-9516. | 2.6 | 842 |
| 411 | Exciplex dynamics in a blend of π -conjugated polymers with electron donating and accepting properties: MDMO-PPV and PCNEPV. <i>Physical Review B</i> , 2005, 72, . | 3.2 | 127 |
| 412 | Hybrid polymer solar cells based on zinc oxide. <i>Journal of Materials Chemistry</i> , 2005, 15, 2985. | 6.7 | 141 |
| 413 | Bulk Heterojunction Polymer Solar Cells. , 2005, , . | | 0 |
| 414 | PLASTIC INFRARED DETECTORS BASED ON POLY(3,4-ETHYLENEDIOXYTHIOPHENE):POLY(STYRENE SULFONIC) Tj E]Qo0 0 0 r]gBT /Overl | 1.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 415 | Photoinduced energy and electron transfer in oligo(p-phenylene vinylene)-fullerene dyads. Applied Physics A: Materials Science and Processing, 2004, 79, 41-46. | 2.3 | 59 |
| 416 | Relating the Morphology of Poly(p-phenylene vinylene)/Methanofullerene Blends to Solar-Cell Performance. Advanced Functional Materials, 2004, 14, 425-434. | 14.9 | 635 |
| 417 | Efficient Hybrid Solar Cells from Zinc Oxide Nanoparticles and a Conjugated Polymer. Advanced Materials, 2004, 16, 1009-1013. | 21.0 | 891 |
| 418 | Photoluminescence of Self-organized Perylene Bisimide Polymers. Macromolecular Chemistry and Physics, 2004, 205, 217-222. | 2.2 | 107 |
| 419 | Donor-acceptor Polymers: A Conjugated Oligo(p-Phenylene Vinylene) Main Chain with Dangling Perylene Bisimides. Chemistry - A European Journal, 2004, 10, 3907-3918. | 3.3 | 58 |
| 420 | Non-linearity in the I-V characteristic of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonic acid) (PEDOT:PSS) due to Joule heating. Organic Electronics, 2004, 5, 207-211. | 2.6 | 6 |
| 421 | Characterization of poly(p-phenylene vinylene)/methanofullerene blends of polymer solar cells by time-of-flight secondary ion mass spectrometry. Applied Surface Science, 2004, 231-232, 274-277. | 6.1 | 20 |
| 422 | Spacer length dependence of photoinduced electron transfer in heterosupramolecular assemblies of TiO ₂ nanoparticles and terthiophene. Journal of Materials Chemistry, 2004, 14, 2795. | 6.7 | 38 |
| 423 | Charge Separation and Recombination in Photoexcited Oligo(p-phenylene vinylene):Perylene Bisimide Arrays Close to the Marcus Inverted Region. Journal of Physical Chemistry A, 2004, 108, 6933-6937. | 2.5 | 64 |
| 424 | Scanning tunneling spectroscopy on organic semiconductors: Experiment and model. Physical Review B, 2004, 70, . | 3.2 | 38 |
| 425 | Supramolecular Control over Donor-acceptor Photoinduced Charge Separation. Journal of the American Chemical Society, 2004, 126, 9630-9644. | 13.7 | 58 |
| 426 | Photoinduced Multistep Electron Transfer in an Oligoaniline-Oligo(p-phenylene Vinylene)-Perylene Diimide Molecular Array. Journal of Physical Chemistry A, 2004, 108, 8201-8211. | 2.5 | 33 |
| 427 | Morphology and Thermal Stability of the Active Layer in Poly(p-phenylenevinylene)/Methanofullerene Plastic Photovoltaic Devices. Macromolecules, 2004, 37, 2151-2158. | 4.8 | 339 |
| 428 | Supramolecular p-n-Heterojunctions by Co-Self-Organization of Oligo(p-phenylene Vinylene) and Perylene Bisimide Dyes. Journal of the American Chemical Society, 2004, 126, 10611-10618. | 13.7 | 400 |
| 429 | Relating the morphology of a poly(p-phenylene vinylene)/methanofullerene blend to bulk heterojunction solar cell performance. , 2004, , . | | 3 |
| 430 | Electrical Transport Study of Phenylene-Based π -Conjugated Molecules in a Three-Terminal Geometry. Annals of the New York Academy of Sciences, 2003, 1006, 122-132. | 3.8 | 10 |
| 431 | Thermally Induced Transient Absorption of Light by Poly(3,4-ethylenedioxythiophene):Poly(styrene) Functional Materials, 2003, 13, 805-810. | 14.9 | 31 |
| 432 | Electron Transport in a Methanofullerene. Advanced Functional Materials, 2003, 13, 43-46. | 14.9 | 600 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 433 | Photoinduced Electron Transfer and Photovoltaic Response of a MDMO-PPV:TiO ₂ Bulk-Heterojunction. <i>Advanced Materials</i> , 2003, 15, 118-121. | 21.0 | 260 |
| 434 | Efficient Methano[70]fullerene/MDMO-PPV Bulk Heterojunction Photovoltaic Cells. <i>Angewandte Chemie</i> , 2003, 115, 3493-3497. | 2.0 | 156 |
| 435 | Crowned Dendrimers: pH-Responsive Pseudorotaxane Formation.. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |
| 436 | Efficient Methano[70]fullerene/MDMO-PPV Bulk Heterojunction Photovoltaic Cells. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3371-3375. | 13.8 | 1,089 |
| 437 | Characterization of polymer solar cells by TOF-SIMS depth profiling. <i>Applied Surface Science</i> , 2003, 203-204, 547-550. | 6.1 | 140 |
| 438 | Absence of Strong Gate Effects in Electrical Measurements on Phenylene-Based Conjugated Molecules. <i>Nano Letters</i> , 2003, 3, 113-117. | 9.1 | 145 |
| 439 | Crowned Dendrimers: pH-Responsive Pseudorotaxane Formation. <i>Journal of Organic Chemistry</i> , 2003, 68, 2385-2389. | 3.2 | 72 |
| 440 | Relating Substitution to Single-Chain Conformation and Aggregation in Poly(p-phenylene Vinylene) Films. <i>Nano Letters</i> , 2003, 3, 1191-1196. | 9.1 | 49 |
| 441 | Supramolecular fullerene architectures by quadruple hydrogen bonding. <i>Synthetic Metals</i> , 2003, 135-136, 801-803. | 3.9 | 14 |
| 442 | Charge Transfer Kinetics in Fullerene~Oligomer~Fullerene Triads Containing Alkylpyrrole Units. <i>Journal of Physical Chemistry A</i> , 2003, 107, 6218-6224. | 2.5 | 34 |
| 443 | Charge recombination in a poly(para-phenylene vinylene)-fullerene derivative composite film studied by transient, nonresonant, hole-burning spectroscopy. <i>Journal of Chemical Physics</i> , 2003, 119, 10924-10929. | 3.0 | 73 |
| 444 | Alternating Oligo(p-phenylene vinylene)~Perylene Bisimide Copolymers:~Synthesis, Photophysics, and Photovoltaic Properties of a New Class of Donor~Acceptor Materials. <i>Journal of the American Chemical Society</i> , 2003, 125, 8625-8638. | 13.7 | 195 |
| 445 | Singlet-energy transfer in quadruple hydrogen-bonded oligo(p-phenylenevinylene)perylene-diimide dyads. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 198-203. | 2.8 | 43 |
| 446 | Photoinduced Multistep Energy and Electron Transfer in an Oligoaniline~Oligo(p-phenylene) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 222 | 2.5 | 37 |
| 447 | TiO ₂ sensitized with an oligo(p-phenylenevinylene) carboxylic acid: a new model compound for a hybrid solar cell. <i>Journal of Materials Chemistry</i> , 2003, 13, 1054-1057. | 6.7 | 34 |
| 448 | Injection-limited electron current in a methanofullerene. <i>Journal of Applied Physics</i> , 2003, 94, 4477-4479. | 2.5 | 41 |
| 449 | Towards increasing the photon harvesting in bulk heterojunction polymer solar cells. , 2003, 4801, 22. | | 1 |
| 450 | Conjugation-Length Dependence of Spin-Dependent Exciton Formation Rates in~Conjugated Oligomers and Polymers. <i>Physical Review Letters</i> , 2002, 88, 197401. | 7.8 | 138 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 451 | Real-Space Measurement of the Potential Distribution Inside Organic Semiconductors. <i>Physical Review Letters</i> , 2002, 88, 096803. | 7.8 | 12 |
| 452 | Intra- and Intermolecular Photoinduced Energy and Electron Transfer between Oligothiophenevinylenes and N-Methylfulleropyrrolidine. <i>Journal of Physical Chemistry A</i> , 2002, 106, 21-31. | 2.5 | 105 |
| 453 | Singlet-energy transfer in quadruple hydrogen-bonded oligo(p-phenylenevinylene)-fullerene dyads. <i>Journal of Materials Chemistry</i> , 2002, 12, 2054-2060. | 6.7 | 63 |
| 454 | Preferential hetero-dimer formation and equilibrium dynamics of self-complementary bifunctional oligo(p-phenylenevinylene) and C60ureido-pyrimidinone derivatives in solution. <i>Chemical Communications</i> , 2002, , 2888-2889. | 4.1 | 36 |
| 455 | Polymer solar cells and infrared light emitting diodes: Dual function low bandgap polymer. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 385, 93-100. | 0.9 | 19 |
| 456 | The interfaces of poly(p-phenylene vinylene) and fullerene derivatives with Al, LiF, and Al/LiF studied by secondary ion mass spectroscopy and x-ray photoelectron spectroscopy: Formation of AlF ₃ disproved. <i>Journal of Chemical Physics</i> , 2002, 117, 5031-5035. | 3.0 | 61 |
| 457 | Stimulation of electrical conductivity in a π -conjugated polymeric conductor with infrared light. <i>Journal of Applied Physics</i> , 2002, 92, 7041-7050. | 2.5 | 12 |
| 458 | Metallo-supramolecular oligo(p-phenylene vinylene)/[60]fullerene architectures: towards functional materials. <i>Thin Solid Films</i> , 2002, 403-404, 97-101. | 1.8 | 15 |
| 459 | Sensitization of low bandgap polymer bulk heterojunction solar cells. <i>Thin Solid Films</i> , 2002, 403-404, 373-379. | 1.8 | 78 |
| 460 | Optical and Redox Properties of a Series of 3,4-Ethylenedioxythiophene Oligomers. <i>Chemistry - A European Journal</i> , 2002, 8, 2384. | 3.3 | 172 |
| 461 | Photoinduced Electron Transfer in a Mesogenic Donor-Acceptor-Donor System. <i>Chemistry - A European Journal</i> , 2002, 8, 4470-4474. | 3.3 | 88 |
| 462 | Orientalional Effect on the Photophysical Properties of Quaterthiophene-C60 Dyads. <i>Chemistry - A European Journal</i> , 2002, 8, 5415-5429. | 3.3 | 81 |
| 463 | Side-Chain-Functionalized Polyacetylenes, 2. Photovoltaic Properties. <i>Macromolecular Rapid Communications</i> , 2002, 23, 271-275. | 3.9 | 10 |
| 464 | Photoinduced Electron Transfer in Heterosupramolecular Assemblies of TiO ₂ Nanoparticles and Terthiophene Carboxylic Acid in Apolar Solvents. <i>Advanced Functional Materials</i> , 2002, 12, 519. | 14.9 | 50 |
| 465 | Spectroscopic Studies of Photoexcitations in Regioregular and Regiorandom Polythiophene Films. <i>Advanced Functional Materials</i> , 2002, 12, 587-597. | 14.9 | 314 |
| 466 | In-Situ Compositional and Structural Analysis of Plastic Solar Cells. <i>Advanced Functional Materials</i> , 2002, 12, 665-669. | 14.9 | 53 |
| 467 | A Low-Bandgap Semiconducting Polymer for Photovoltaic Devices and Infrared Emitting Diodes. <i>Advanced Functional Materials</i> , 2002, 12, 709-712. | 14.9 | 517 |
| 468 | Langmuir and Langmuir-Blodgett films from the N-hexyl-pyrrole-thiophene (AB) semi-amphiphilic copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 45-51. | 4.7 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 469 | Langmuir films from tailor-made semi-amphiphilic alternating (AB) heterocyclic copolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 331-338. | 4.7 | 2 |
| 470 | Langmuir films from semi-amphiphilic sequence-controlled heterocyclic copolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 313-321. | 4.7 | 4 |
| 471 | Langmuir film of regioregular poly(4-dodecyl-2,2'-bithiophene). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 323-330. | 4.7 | 3 |
| 472 | Measuring the potential distribution inside soft organic semiconductors with a scanning-tunneling microscope. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 1247-1250. | 2.7 | 0 |
| 473 | Synthesis and structure-property relationship of new donor-acceptor-type conjugated monomers and polymers on the basis of thiophene and benzothiadiazole. <i>Journal of Polymer Science Part A</i> , 2002, 40, 251-261. | 2.3 | 112 |
| 474 | Synthesis, optical, and electrochemical properties of novel copolymers on the basis of benzothiadiazole and electron-rich arene units. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2360-2372. | 2.3 | 42 |
| 475 | The use of the focused ion beam technique to prepare cross-sectional transmission electron microscopy specimen of polymer solar cells deposited on glass. <i>Polymer</i> , 2002, 43, 7493-7496. | 3.8 | 45 |
| 476 | N ₂ O Decomposition over Fe/ZSM-5: Effect of High-Temperature Calcination and Steaming. <i>Catalysis Letters</i> , 2002, 81, 205-212. | 2.6 | 90 |
| 477 | Photoinduced Electron Transfer and Photovoltaic Devices of a Conjugated Polymer with Pendant Fullerenes. <i>Journal of the American Chemical Society</i> , 2001, 123, 6714-6715. | 13.7 | 247 |
| 478 | Photoinduced singlet and triplet energy transfer in fullerene-oligothiophene-fullerene triads. <i>Synthetic Metals</i> , 2001, 116, 123-127. | 3.9 | 16 |
| 479 | A poly(p-phenylene ethynylene vinylene) with pendant fullerenes. <i>Synthetic Metals</i> , 2001, 119, 171-172. | 3.9 | 26 |
| 480 | Design and synthesis of new processible donor-acceptor dyad and triads. <i>Synthetic Metals</i> , 2001, 119, 519-522. | 3.9 | 21 |
| 481 | Synthesis and characterization of novel regioregular polythiophenes. <i>Synthetic Metals</i> , 2001, 119, 369-370. | 3.9 | 6 |
| 482 | Photoluminescence of supramolecular oligothiophene assemblies. <i>Synthetic Metals</i> , 2001, 121, 1259-1260. | 3.9 | 10 |
| 483 | Aggregation of perylenebisimid-polytetrahydrofuran copolymers. <i>Synthetic Metals</i> , 2001, 121, 1283-1284. | 3.9 | 15 |
| 484 | Low-bandgap polymer photovoltaic cells. <i>Synthetic Metals</i> , 2001, 121, 1587-1588. | 3.9 | 65 |
| 485 | Photoinduced energy and electron transfer in a C ₆₀ -6T-C ₆₀ triad. <i>Synthetic Metals</i> , 2001, 121, 1597-1598. | 3.9 | 9 |
| 486 | Design and synthesis of processible functional copolymers. <i>Synthetic Metals</i> , 2001, 119, 169-170. | 3.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 487 | Two-step mechanism for the photoinduced intramolecular electron transfer in oligo(p-phenylene) Tj ETQq1 1 0.784314 rgBT /Overloc | 3.2 | 53 |
| 488 | Interchain Delocalization of Photoinduced Neutral and Charged States in Nanoaggregates of Lengthy Oligothiophenes. Journal of the American Chemical Society, 2001, 123, 6916-6924. | 13.7 | 42 |
| 489 | Synthesis, Characterization, and Electrooptical Properties of a New AlternatingN-Dodecylpyrrole~Benzothiadiazole Copolymer. Macromolecules, 2001, 34, 2495-2501. | 4.8 | 52 |
| 490 | Synthesis and Characterization of a Poly(1,3-dithienylisothianaphthene) Derivative for Bulk Heterojunction Photovoltaic Cells. Journal of Physical Chemistry B, 2001, 105, 11106-11113. | 2.6 | 60 |
| 491 | Langmuir Films of an Oligo(p-phenylene vinylene) Functionalized with a Diaminotriazine Headgroup. Langmuir, 2001, 17, 3281-3285. | 3.5 | 19 |
| 492 | Mechanistic Aspects of the Suzuki Polycondensation of Thiophenebisboronic Derivatives and Diiodobenzenes Analyzed by MALDI~TOF Mass Spectrometry. Macromolecules, 2001, 34, 5386-5393. | 4.8 | 127 |
| 493 | An Electron-Deficient Discotic Liquid-Crystalline Material. Chemistry of Materials, 2001, 13, 2675-2679. | 6.7 | 78 |
| 494 | Effect of Ion Coordination on the Conformational and Electronic Structure of 3,4-Bis(alkylthio)thiophenes. European Journal of Inorganic Chemistry, 2001, 2001, 821-828. | 2.0 | 12 |
| 495 | Synthesis and Properties of Redox-Active Dendrimers Containing Phenothiazines. European Journal of Organic Chemistry, 2001, 2001, 2123-2128. | 2.4 | 12 |
| 496 | Supramolecular Hydrogen-Bonded Oligo(p-phenylene vinylene) Polymers This work was supported by Netherlands Organization for Scientific Research (NWO) and the Royal Netherlands Academy of Arts and Sciences. The authors thank Michel Fransen for the synthesis of the starting materials, Joost van Dongen and Xiamwen Lou for matrix-assisted laser desorption ionization time-of-flight (MALDI-TOF) MS measurements, Pascal Jonkheijm for atomic force microscopy (AFM) measurements, and Dr. Rint Sijbesma for fruitful and. Angewandte Chemie - International Edition, 2001, 40, 3660. | 13.8 | 106 |
| 497 | Full temporal resolution of the two-step photoinduced energy~electron transfer in a fullerene~oligothiophene~fullerene triad using sub-10 fs pump~probe spectroscopy. Chemical Physics Letters, 2001, 345, 33-38. | 2.6 | 62 |
| 498 | Separation and characterization of oligomers by reversed-phase high-performance liquid chromatography; a study on well-defined oligothiophenes. Journal of Chromatography A, 2001, 911, 13-26. | 3.7 | 12 |
| 499 | Redox States and Associated Interchain Processes of Thienylenevinylene Oligomers. Chemistry - A European Journal, 2000, 6, 1698-1707. | 3.3 | 10 |
| 500 | Two-Dimensional Crystals of Poly(3-Alkyl- thiophene)s: Direct Visualization of Polymer Folds in Submolecular Resolution. Angewandte Chemie - International Edition, 2000, 39, 2679-2684. | 13.8 | 257 |
| 501 | Unexpected Dimerization of Oxidized Fullerene-Oligothiophene-Fullerene Triads. Advanced Materials, 2000, 12, 908-911. | 21.0 | 24 |
| 502 | Polymer Photovoltaic Devices from Stratified Multilayers of Donor-Acceptor Blends. Advanced Materials, 2000, 12, 1367-1370. | 21.0 | 98 |
| 503 | Photoinduced intermolecular electron transfer between oligo(p-phenylene vinylene)s and N-methylfulleropyrrolidine in a polar solvent. Chemical Physics Letters, 2000, 328, 403-408. | 2.6 | 29 |
| 504 | On the origin of optical activity in polythiophenes. Journal of Molecular Structure, 2000, 521, 285-301. | 3.6 | 206 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 505 | Relaxation of photo-excitations in films of oligo- and poly-(para-phenylene vinylene) derivatives. <i>Chemical Physics</i> , 2000, 260, 415-439. | 1.9 | 63 |
| 506 | Astramol polypropyleneimine dendrimers as norrish type II amine synergists. <i>Journal of Coatings Technology and Research</i> , 2000, 83, 119-124. | 0.2 | 1 |
| 507 | Singlet and triplet excitations of chiral dialkoxy-p-phenylene vinylene oligomers. <i>Journal of Chemical Physics</i> , 2000, 112, 9445-9454. | 3.0 | 128 |
| 508 | Photoinduced Energy and Electron Transfer in FullereneâOligothiopheneâFullerene Triads. <i>Journal of Physical Chemistry A</i> , 2000, 104, 5974-5988. | 2.5 | 146 |
| 509 | Microstructureâmobility correlation in self-organised, conjugated polymer field-effect transistors. <i>Synthetic Metals</i> , 2000, 111-112, 129-132. | 3.9 | 121 |
| 510 | Synthesis, Photophysical Properties, and Photovoltaic Devices of Oligo(p-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Id (vinyl | 2.6 | 242 |
| 511 | End-group modification of regioregular poly(3-alkylthiophene)s. <i>Chemical Communications</i> , 2000, , 81-82. | 4.1 | 48 |
| 512 | Redox States of Well-Defined Î-Conjugated Oligothiophenes Functionalized with Poly(benzyl ether) Dendrons. <i>Journal of the American Chemical Society</i> , 2000, 122, 7042-7051. | 13.7 | 100 |
| 513 | Ferromagnetic Spin Alignment in Head-to-Tail Coupled Oligo(1,4-phenyleneethynylene)s and Oligo(1,4-phenylenevinylene)s Bearing Pendant p-Phenylenediamine Radical Cations. <i>Journal of Organic Chemistry</i> , 2000, 65, 5712-5719. | 3.2 | 40 |
| 514 | Concentration-Dependent Thermochromism and Supramolecular Aggregation in Solution of Triblock Copolymers Based on Lengthy Oligothiophene Cores and Poly(benzyl ether) Dendrons. <i>Macromolecules</i> , 2000, 33, 7038-7043. | 4.8 | 76 |
| 515 | Redox States and Associated Interchain Processes of Thienylenevinylene Oligomers. <i>Chemistry - A European Journal</i> , 2000, 6, 1698-1707. | 3.3 | 26 |
| 516 | Combinatorial Chemistry Approach to Development of Molecular Plastic Solar Cells. , 1999, , . | | 0 |
| 517 | Two-dimensional charge transport in self-organized, high-mobility conjugated polymers. <i>Nature</i> , 1999, 401, 685-688. | 27.8 | 4,364 |
| 518 | Synthesis and characterization of new copolymers of thiophene and vinylene: Poly(thienylenevinylene)s and poly(terthienylenevinylene)s with thioether side chains. <i>Journal of Polymer Science Part A</i> , 1999, 37, 4629-4639. | 2.3 | 23 |
| 519 | Photoinduced Electron Transfer from Conjugated Polymers to TiO2. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4352-4359. | 2.6 | 142 |
| 520 | Oddâeven effect in optically active poly(3,4-dialkoxythiophene). <i>Chemical Communications</i> , 1999, , 791-792. | 4.1 | 50 |
| 521 | Efficient synthesis of high-spin meta-para-oligoanilines. <i>Synthetic Metals</i> , 1999, 103, 2287-2290. | 3.9 | 17 |
| 522 | Transparent highly-oxidized conjugated polymer films from solution. <i>Synthetic Metals</i> , 1999, 101, 417-420. | 3.9 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 523 | Realization of large area flexible fullerene " conjugated polymer photocells: A route to plastic solar cells. <i>Synthetic Metals</i> , 1999, 102, 861-864. | 3.9 | 122 |
| 524 | Solvent effects on the "dimerization of cation radicals of conjugated oligomers. <i>Synthetic Metals</i> , 1999, 101, 373-374. | 3.9 | 12 |
| 525 | Thermochromism in the triplet excited state of poly(3-octylthiophene). <i>Synthetic Metals</i> , 1999, 101, 177. | 3.9 | 6 |
| 526 | Exciton coupling in oligothiophenes: A combined experimental/theoretical study. <i>Synthetic Metals</i> , 1999, 102, 912-913. | 3.9 | 8 |
| 527 | Photoinduced ft-ir spectroscopy of conjugated polymer/fullerene composites embedded into conventional host polymer matrices. <i>Synthetic Metals</i> , 1999, 101, 192-193. | 3.9 | 7 |
| 528 | Stability studies and degradation analysis of plastic solar cell materials by FTIR spectroscopy. <i>Synthetic Metals</i> , 1999, 102, 1002-1003. | 3.9 | 54 |
| 529 | CW-Photocurrent measurements of conjugated polymers and fullerenes blended into a conventional polymer matrix. <i>Synthetic Metals</i> , 1999, 102, 1285-1286. | 3.9 | 8 |
| 530 | Light-induced ESR studies in conjugated polymer-fullerene composites. <i>Synthetic Metals</i> , 1999, 102, 1241-1242. | 3.9 | 12 |
| 531 | Effect of intrachain order on the chiroptical properties of chiral poly(p-phenylene vinylenes). <i>Synthetic Metals</i> , 1999, 102, 1105-1106. | 3.9 | 12 |
| 532 | Photoinduced electron transfer from conjugated polymers onto TiO ₂ . <i>Synthetic Metals</i> , 1999, 101, 265-266. | 3.9 | 22 |
| 533 | Principles of "Majority Rules" and "Sergeants and Soldiers" Applied to the Aggregation of Optically Active Polythiophenes: A Evidence for a Multichain Phenomenon. <i>Macromolecules</i> , 1999, 32, 227-230. | 4.8 | 150 |
| 534 | Investigation of Exciton Coupling in Oligothiophenes by Circular Dichroism Spectroscopy. <i>Advanced Materials</i> , 1998, 10, 1343-1348. | 21.0 | 119 |
| 535 | Redox States of Long Oligothiophenes: Two Polarons on a Single Chain. <i>Chemistry - A European Journal</i> , 1998, 4, 1509-1522. | 3.3 | 242 |
| 536 | A Polystyrene~Oligothiophene~Polystyrene Triblock Copolymer. <i>Journal of the American Chemical Society</i> , 1998, 120, 2798-2804. | 13.7 | 150 |
| 537 | Resolution and circular dichroism of an asymmetrically cage-opened [60]fullerene derivative. <i>Chemical Communications</i> , 1998, , 281-282. | 4.1 | 20 |
| 538 | Inversion of Optical Activity of Chiral Polythiophene Aggregates by a Change of Solvent. <i>Macromolecules</i> , 1998, 31, 6702-6704. | 4.8 | 150 |
| 539 | "Dimers of Prototype High-Spin Polaronic Oligomers. <i>Chemistry of Materials</i> , 1998, 10, 1166-1175. | 6.7 | 52 |
| 540 | Concerning the Localization of End Groups in Dendrimers. <i>Journal of the American Chemical Society</i> , 1998, 120, 8547-8548. | 13.7 | 71 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 541 | PHOTOEXCITATIONS IN CONJUGATED OLIGOMERS. , 1998, , 524-558. | | 1 |
| 542 | Investigation of Exciton Coupling in Oligothiophenes by Circular Dichroism Spectroscopy. , 1998, 10, 1343. | | 1 |
| 543 | Time-resolved microwave measurements of the polarizability of photoexcitons on conjugated polymer chains. , 1997, , . | | 16 |
| 544 | High-Spin Cation Radicals of Methylene phosphoranes. Journal of the American Chemical Society, 1997, 119, 5398-5403. | 13.7 | 16 |
| 545 | Five Generations of Nitroxyl-Functionalized Dendrimers. Macromolecules, 1997, 30, 3606-3611. | 4.8 | 72 |
| 546 | Circularly Polarized Electroluminescence from a Polymer Light-Emitting Diode. Journal of the American Chemical Society, 1997, 119, 9909-9910. | 13.7 | 438 |
| 547 | High-Spin Cation Radicals of Meta-Para Aniline Oligomers. Journal of the American Chemical Society, 1997, 119, 4492-4501. | 13.7 | 128 |
| 548 | Chiroptical properties of poly{2, 5-bis[(S)-2-methylbutoxy]-1, 4-phenylene vinylene}. Advanced Materials, 1997, 9, 493-496. | 21.0 | 54 |
| 549 | Well-Defined Metallo dendrimers by Site-Specific Complexation. Chemische Berichte, 1997, 130, 725-728. | 0.2 | 61 |
| 550 | Influence of Chain Length and Derivatization on the Lowest Singlet and Triplet States and Intersystem Crossing in Oligothiophenes. Journal of the American Chemical Society, 1996, 118, 6453-6461. | 13.7 | 237 |
| 551 | Stable Triplet-State Di(Cation Radicals) of a Meta-Para Aniline Oligomer by "Acid Doping". Journal of the American Chemical Society, 1996, 118, 10626-10628. | 13.7 | 60 |
| 552 | Circular Dichroism and Circular Polarization of Photoluminescence of Highly Ordered Poly{3,4-di[(S)-2-methylbutoxy]thiophene}. Journal of the American Chemical Society, 1996, 118, 4908-4909. | 13.7 | 279 |
| 553 | Stable triplet-state di(cation radical)s of a N-phenylaniline oligomer. Chemical Communications, 1996, , 267. | 4.1 | 25 |
| 554 | Triplet-state phosphinyl diradicals. Chemical Communications, 1996, , 1919. | 4.1 | 6 |
| 555 | Photoinduced Electron Transfer Between Conjugated Polymers and a Homologous Series of TCNQ Derivatives. Journal De Physique, I, 1996, 6, 2151-2158. | 1.2 | 5 |
| 556 | Persistent photoinduced electron transfer from functionalized dendrimers to Buckminsterfullerene. Advanced Materials, 1996, 8, 494-497. | 21.0 | 18 |
| 557 | Polarized photoluminescence of oligothiophenes in nematic liquid crystalline matrices. Advanced Materials, 1996, 8, 651-654. | 21.0 | 37 |
| 558 | "Dimers of End-Capped Oligopyrrole Cation Radicals. Angewandte Chemie International Edition in English, 1996, 35, 638-640. | 4.4 | 71 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 559 | Triplet radical pairs of 3-carboxyproxyl encapsulated in a dendritic box. <i>Advanced Materials</i> , 1995, 7, 561-564. | 21.0 | 32 |
| 560 | Photoinduced electron transfer from π -conjugated polymers onto Buckminsterfullerene, fullerenoids, and methanofullerenes. <i>Journal of Chemical Physics</i> , 1995, 103, 788-793. | 3.0 | 66 |
| 561 | Triplet-State Phosphoryl Diradicals. <i>The Journal of Physical Chemistry</i> , 1995, 99, 9331-9336. | 2.9 | 6 |
| 562 | Photoinduced electron transfer reactions in mixed films of π -conjugated polymers and a homologous series of tetracyanoquinodimethane derivatives. <i>Journal of Chemical Physics</i> , 1995, 103, 8840-8845. | 3.0 | 65 |
| 563 | Triplet-state photoexcitations and triplet-energy transfer in poly(3-alkylthiophene)/C60 solutions. <i>Synthetic Metals</i> , 1995, 70, 1343-1344. | 3.9 | 3 |
| 564 | Photoinduced absorption spectroscopy of oligothiophene/C60 mixtures in films and solutions. <i>Synthetic Metals</i> , 1995, 70, 1345-1346. | 3.9 | 4 |
| 565 | Triplet-state phosphoryl biradicals. <i>Synthetic Metals</i> , 1995, 71, 1833-1834. | 3.9 | 3 |
| 566 | Photoinduced electron transfer processes in oligothiophene/C60 composite films. <i>Journal of Chemical Physics</i> , 1995, 102, 2628-2635. | 3.0 | 62 |
| 567 | Photochemical Fulleroid to Methanofullerene Conversion via the Di- π -methane (Zimmerman) Rearrangement. <i>Journal of the American Chemical Society</i> , 1995, 117, 544-545. | 13.7 | 111 |
| 568 | Photoinduced absorption of π -conjugated polymers in solution. <i>Synthetic Metals</i> , 1995, 69, 441-442. | 3.9 | 13 |
| 569 | Infrared Photoexcitation Spectroscopy of Conducting Polymer and C60 Composites: Direct Evidence of Photo-Induced Electron Transfer. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 739-744. | 0.3 | 4 |
| 570 | Electron and energy transfer processes of photoexcited oligothiophenes onto tetracyanoethylene and C60. <i>Journal of Chemical Physics</i> , 1994, 101, 9519-9527. | 3.0 | 77 |
| 571 | Direct evidence of photoinduced electron transfer in conducting-polymer-C60 composites by infrared photoexcitation spectroscopy. <i>Physical Review B</i> , 1994, 49, 5781-5784. | 3.2 | 94 |
| 572 | Triplet-state photoexcitations of oligothiophene films and solutions. <i>Journal of Chemical Physics</i> , 1994, 101, 1787-1798. | 3.0 | 151 |
| 573 | Chiroptical Properties of Regioregular Chiral Polythiophenes. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 439-448. | 0.3 | 138 |
| 574 | Photoinduced absorption of conjugated polymer/C60 solutions: Evidence of triplet-state photoexcitations and triplet-energy transfer in poly(3-alkylthiophene). <i>Journal of Chemical Physics</i> , 1994, 100, 8641-8645. | 3.0 | 48 |
| 575 | Triplet State Photoexcitations in Frozen Solutions of Oligothiophenes. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 487-492. | 0.3 | 2 |
| 576 | Electron Transfer and Energy Transfer Reactions in Photoexcited π -Nonathiophene/C ₆₀ Films and Solutions. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 921-926. | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 577 | Structure of 6. π -electron four-membered rings containing second-row atoms. The Journal of Physical Chemistry, 1993, 97, 6384-6397. | 2.9 | 31 |
| 578 | Radical cations in mixtures of phosphorus trichloride and dimethyl sulfide. A combined ESR and quantum chemical study. The Journal of Physical Chemistry, 1992, 96, 614-623. | 2.9 | 16 |
| 579 | Enantioselective inversion of a chiral phosphinyl radical. A single-crystal ESR analysis of x-irradiated bis(2,4,6-tri-tert-butylphenyl)phosphinic chloride. Journal of the American Chemical Society, 1991, 113, 9471-9479. | 13.7 | 13 |
| 580 | Reactivity in molecular crystals: Radical formation in chiral phosphorus compounds. Heteroatom Chemistry, 1991, 2, 39-43. | 0.7 | 5 |
| 581 | Radical cations of bis(diphenylphosphino) derivatives (Ph ₂ P-R-PPh ₂): the formation of localized, cyclic, and dimeric configurations; an ESR and quantum chemical study. The Journal of Physical Chemistry, 1991, 95, 9256-9263. | 2.9 | 7 |
| 582 | Intermolecular-directed reactivity in solid media. Radiogenic formation of phosphorus-centered radicals in chiral diphosphine disulfides studied by ESR. Journal of the American Chemical Society, 1990, 112, 5432-5447. | 13.7 | 8 |
| 583 | The nature of three-electron P σ^* S bonds studied by ESR. Chemical Physics Letters, 1990, 171, 127-130. | 2.6 | 13 |
| 584 | Stereochemical Selection in Phosphoranyl Radical Formation Using Ionizing Radiation. Phosphorus, Sulfur and Silicon and the Related Elements, 1990, 51, 288-288. | 1.6 | 0 |
| 585 | 6. π . Aromaticity in four-membered rings. Journal of the American Chemical Society, 1990, 112, 4155-4164. | 13.7 | 95 |
| 586 | Intermolecular effects on the radiogenic formation of electron-capture phosphorus-centered radicals. A single-crystal ESR study of diastereoisomeric precursors. Journal of the American Chemical Society, 1990, 112, 938-944. | 13.7 | 11 |
| 587 | A single-crystal ESR study on radicals derived from rac- and meso-1,2-dimethyl-1,2-diphenyldiphosphine disulfide: stereochemical selection in radical formation. Journal of the American Chemical Society, 1988, 110, 6001-6006. | 13.7 | 14 |
| 588 | A single-crystal ESR and quantum chemical study of electron-capture trialkylphosphine sulfide and selenide radical anions with a three-electron bond. Journal of the American Chemical Society, 1988, 110, 3018-3026. | 13.7 | 11 |
| 589 | The σ^* and TBP-e radicals obtained by electron capture of four-coordinated phosphorus compounds. A single-crystal ESR study. Journal of the American Chemical Society, 1986, 108, 6145-6149. | 13.7 | 15 |
| 590 | The SPCl ₂ F- phosphoranyl radical. Chemical Physics Letters, 1986, 132, 459-463. | 2.6 | 5 |
| 591 | Electron capture phosphoranyl radicals in x-irradiated diphosphine disulfides. A single crystal ESR and ab initio quantum chemical study. Journal of Chemical Physics, 1986, 84, 3694-3708. | 3.0 | 18 |
| 592 | Ab initio study of isotropic and anisotropic hyperfine interactions in phosphoranyl and phosphorane anion radicals. Computational and Theoretical Chemistry, 1984, 110, 139-153. | 1.5 | 6 |
| 593 | Structure of C _{3v} phosphoranyl and C _{4v} phosphorane anion radicals. A quantum-chemical study. Journal of the American Chemical Society, 1984, 106, 3429-3437. | 13.7 | 25 |
| 594 | Material and Device Design for Highly Efficient Organic Solar Cells. , 0, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|----|-----------|
| 595 | The Intrinsic Photoluminescence Spectrum of Perovskite Films. , 0, , . | | 0 |