# Niyazi S Sariciftci

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 572 papers | 51,275 citations | 99 h-index | 215 g-index |
| 616 ext. papers | 54,258 ext. citations | 5.6 avg, IF | 7.65 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 572 | Near-infrared absorbing hydrogen-bonded dithioketopyrrolopyrrole (DTPP) n-type semiconductors. *Dyes and Pigments*, **2022**, 197, 109884 | 4.6 | 0 |
| 571 | Nanometer-Thick Thiophene Monolayers as Templates for the Gas-Phase Epitaxy of Poly(3,4-Ethylenedioxythiophene) Films on Gold: Implications for Organic Electronics. *ACS Applied Nano Materials*, **2022**, 5, 3194-3200 | 5.6 | |
| 570 | Immobilized Poly(anthraquinones) for Electrochemical Energy Storage Applications: Structure-Property Relations. *ChemElectroChem*, **2021**, 8, 4360 | 4.3 | 0 |
| 569 | Single-Component Organic Solar Cells Based on Intramolecular Charge Transfer Photoabsorption. *Materials*, **2021**, 14, | 3.5 | 5 |
| 568 | Revealing the electrocatalytic behaviour by a novel rotating ring-disc electrode (RRDE) subtraction method: A case-study on oxygen reduction using anthraquinone sulfonate. *Electrochemistry Communications*, **2021**, 125, 106988 | 5.1 | 2 |
| 567 | High-performance CoII-phthalocyanine-based polymer for practical heterogeneous electrochemical reduction of carbon dioxide. *Electrochimica Acta*, **2021**, 367, 137506 | 6.7 | 4 |
| 566 | Low Band Gap Conjugated Semiconducting Polymers. *Advanced Materials Technologies*, **2021**, 6, 2000857 | 6.8 | 28 |
| 565 | Overcoming intra-molecular repulsions in PEDTT by sulphate counter-ion.. *Science and Technology of Advanced Materials*, **2021**, 22, 985-997 | 7.1 | 1 |
| 564 | Metal-Free Hydrogen-Bonded Polymers Mimic Noble Metal Electrocatalysts. *Advanced Materials*, **2020**, 32, e1902177 | 24 | 10 |
| 563 | Mechanically Interlocked Carbon Nanotubes as a Stable Electrocatalytic Platform for Oxygen Reduction. *ACS Applied Materials & Interfaces*, **2020**, 12, 32615-32621 | 9.5 | 10 |
| 562 | Enhanced methane producing microbial electrolysis cells for wastewater treatment using poly(neutral red) and chitosan modified electrodes. *Sustainable Energy and Fuels*, **2020**, 4, 4238-4248 | 5.8 | 5 |
| 561 | Efficient heterogeneous catalysis by pendant metalloporphyrin-functionalized polythiophenes for the electrochemical reduction of carbon dioxide. *New Journal of Chemistry*, **2020**, 44, 12486-12495 | 3.6 | 2 |
| 560 | Light-Sensitive Material Structure-Electrical Performance Relationship for Optical Memory Transistors Incorporating Photochromic Dihetarylethenes. *ACS Applied Materials & Interfaces*, **2020**, 12, 32987-32993 | 9.5 | 7 |
| 559 | Tunable Properties of Nature-Inspired ,'-Alkylated Riboflavin Semiconductors. *Molecules*, **2020**, 26, | 4.8 | 5 |
| 558 | Cofunction of Protons as Dopant and Reactant Activate the Electrocatalytic Hydrogen Evolution in Emeraldine-Polyguanine. *Advanced Materials Interfaces*, **2020**, 7, 1901364 | 4.6 | 5 |
| 557 | Controlling Quantum Confinement in Luminescent Perovskite Nanoparticles for Optoelectronic Devices by the Addition of Water. *ACS Applied Nano Materials*, **2020**, 3, 1242-1249 | 5.6 | 11 |
| 556 | Immobilized Enzymes on Graphene as Nanobiocatalyst. *ACS Applied Materials & Interfaces*, **2020**, 12, 250-259 | 9.5 | 29 |

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| 555 | Conducting Polymer-Based Biocomposites Using Deoxyribonucleic Acid (DNA) as Counterion. *Advanced Materials Technologies*, **2020**, 5, 1900699 | 6.8 | 8 |
| 554 | Localizing Binding Sites on Bioconjugated Hydrogen-Bonded Organic Semiconductors at the Nanoscale. *ChemPhysChem*, **2020**, 21, 659-666 | 3.2 | 2 |
| 553 | Impedance Spectroscopy of Perovskite Solar Cells: Studying the Dynamics of Charge Carriers Before and After Continuous Operation. *Physica Status Solidi (A) Applications and Materials Science*, **2020**, 217, 2000291 | 1.6 | 19 |
| 552 | Are Polyaniline and Polypyrrole Electrocatalysts for Oxygen (O) Reduction to Hydrogen Peroxide (HO)?. *ACS Applied Energy Materials*, **2020**, 3, 10611-10618 | 6.1 | 9 |
| 551 | Synthesis conditions influencing formation of MAPbBr perovskite nanoparticles prepared by the ligand-assisted precipitation method. *Scientific Reports*, **2020**, 10, 15720 | 4.9 | 9 |
| 550 | Purity of organic semiconductors as a key factor for the performance of organic electronic devices. *Materials Chemistry Frontiers*, **2020**, 4, 3678-3689 | 7.8 | 9 |
| 549 | Designing Ultraflexible Perovskite X-Ray Detectors through Interface Engineering. *Advanced Science*, **2020**, 7, 2002586 | 13.6 | 20 |
| 548 | Anti-Stokes photoluminescence study on a methylammonium lead bromide nanoparticle film. *Nanoscale*, **2020**, 12, 16556-16561 | 7.7 | 2 |
| 547 | Universal Transfer Printing of Micelle-Templated Nanoparticles Using Plasma-Functionalized Graphene. *ACS Applied Materials & Interfaces*, **2020**, 12, 46530-46538 | 9.5 | 0 |
| 546 | Acetylacetone Improves the Performance of Mixed Halide Perovskite Solar Cells. *Journal of Physical Chemistry C*, **2019**, 123, 23807-23816 | 3.8 | 7 |
| 545 | Cyclic Peptide Stabilized Lead Halide Perovskite Nanoparticles. *Scientific Reports*, **2019**, 9, 12966 | 4.9 | 7 |
| 544 | Proteinogenic Amino Acid Assisted Preparation of Highly Luminescent Hybrid Perovskite Nanoparticles. *ACS Applied Nano Materials*, **2019**, 2, 4267-4274 | 5.6 | 17 |
| 543 | Persistent radical anions in the series of -arylenes: broadband light absorption until far in the NIR and purely organic magnetism. *Monatshefte F Chemie*, **2019**, 150, 885-900 | 1.4 | 2 |
| 542 | Photoconductive Properties of Dibenzotetrathiafulvalene-Tetracyanoquinodimethane (DBTTF-TCNQ) Nanorods Prepared by the Reprecipitation Method. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 4599-4602 | 1.3 | 1 |
| 541 | Indigoidine Biosynthesized organic semiconductor. *Dyes and Pigments*, **2019**, 171, 107768 | 4.6 | 10 |
| 540 | Stability of Selected Hydrogen Bonded Semiconductors in Organic Electronic Devices. *Chemistry of Materials*, **2019**, 31, 6315-6346 | 9.6 | 33 |
| 539 | Improving the Performance of Perovskite Solar Cells using a Polyphosphazene Interfacing Layer. *Physica Status Solidi (A) Applications and Materials Science*, **2019**, 216, 1900436 | 1.6 | 4 |
| 538 | High temperature-stability of organic thin-film transistors based on quinacridone pigments. *Organic Electronics*, **2019**, 66, 53-57 | 3.5 | 18 |

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| 537 | Enhanced Bio-Electrochemical Reduction of Carbon Dioxide by Using Neutral Red as a Redox Mediator. *ChemBioChem*, **2019**, 20, 1196-1205 | 3.8 | 19 |
| 536 | The influence of perovskite precursor composition on the morphology and photovoltaic performance of mixed halide MAPbI3-xClx solar cells. *Solar Energy*, **2018**, 163, 215-223 | 6.8 | 29 |
| 535 | Nanofibrous cobalt oxide for electrocatalysis of CO2 reduction to carbon monoxide and formate in an acetonitrile-water electrolyte solution. *Applied Catalysis B: Environmental*, **2018**, 229, 163-170 | 21.8 | 42 |
| 534 | Photoelectrocatalytic Synthesis of Hydrogen Peroxide by Molecular Copper-Porphyrin Supported on Titanium Dioxide Nanotubes. *ChemCatChem*, **2018**, 10, 1793-1797 | 5.2 | 17 |
| 533 | Direct Electrical Neurostimulation with Organic Pigment Photocapacitors. *Advanced Materials*, **2018** , 30, e1707292 | 24 | 73 |
| 532 | Metallic conductivity beyond the Mott minimum in PEDOT: Sulphate at low temperatures. *Synthetic Metals*, **2018**, 240, 59-66 | 3.6 | 17 |
| 531 | Size control of CH3NH3PbBr3 perovskite cuboid fine crystals synthesized by ligand-free reprecipitation method. *Microsystem Technologies*, **2018**, 24, 619-623 | 1.7 | 2 |
| 530 | Degradation kinetics in different polymer–fullerene blends investigated by electron spin resonance. *Journal of Materials Research*, **2018**, 33, 1853-1859 | 2.5 | 8 |
| 529 | Anthraquinone thin-film electrodes for reversible CO2 capture and release. *Journal of Materials Chemistry A*, **2018**, 6, 15095-15101 | 13 | 14 |
| 528 | Inverted (p-i-n) perovskite solar cells using a low temperature processed TiO interlayer. *RSC Advances*, **2018**, 8, 24836-24846 | 3.7 | 10 |
| 527 | 4.15 Solar Cells **2018**, 637-658 | | 1 |
| 526 | Chemical vapor deposition - based synthesis of conductive polydopamine thin-films. *Thin Solid Films* , **2018**, 645, 320-325 | 2.2 | 33 |
| 525 | Synthesis and investigation of tetraphenyltetrabenzoporphyrins for electrocatalytic reduction of carbon dioxide. *Sustainable Energy and Fuels*, **2018**, 2, 2747-2753 | 5.8 | 4 |
| 524 | X-ray study of anisotropically shaped metal halide perovskite nanoparticles in tubular pores. *Applied Physics Letters*, **2018**, 113, 251901 | 3.4 | |
| 523 | Ellipsometric Spectroelectrochemistry: An in Situ Insight in the Doping of Conjugated Polymers. *Journal of Physical Chemistry C*, **2018**, 122, 24309-24320 | 3.8 | 5 |
| 522 | Application of MIS-CELIV technique to measure hole mobility of hole-transport material for organic light-emitting diodes. *AIP Advances*, **2018**, 8, 105001 | 1.5 | 14 |
| 521 | Novel Riboflavin-Inspired Conjugated Bio-Organic Semiconductors. *Molecules*, **2018**, 23, | 4.8 | 11 |
| 520 | An electron-reservoir Re(I) complex for enhanced efficiency for reduction of CO2 to CO. *Journal of Catalysis*, **2018**, 363, 191-196 | 7.3 | 19 |

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| 519 | Optical and electronic properties of mixed halide (X = I, Cl, Br) methylammonium lead perovskite solar cells. *Journal of Materials Chemistry C*, **2017**, 5, 1714-1723 | 7.1 | 94 |
| 518 | Organic Microboxes Prepared by Self-assembly of a Charge-transfer Dye. *Chemistry Letters*, **2017**, 46, 557-559 | 1.7 | 1 |
| 517 | Adamantane substitutions: a path to high-performing, soluble, versatile and sustainable organic semiconducting materials. *Journal of Materials Chemistry C*, **2017**, 5, 4716-4723 | 7.1 | 30 |
| 516 | Electrochemical self-assembly of CuSCN-DAST hybrid thin films. *Monatshefte Fü Chemie*, **2017**, 148, 845-854 | 1.4 | 5 |
| 515 | Magnetic Field Effects on the Current of PCPDTBT-based Diode. *Journal of Physical Chemistry C*, **2017**, 121, 11727-11732 | 3.8 | 5 |
| 514 | Anderson-Localization and the Mott–Ioffe–Regel Limit in Glassy-Metallic PEDOT. *Advanced Electronic Materials*, **2017**, 3, 1700050 | 6.4 | 28 |
| 513 | Organic and Inorganic Hybrid Solar Cells **2017**, 1-35 | | 2 |
| 512 | Enhancing the c-TiO2 based perovskite solar cell performance via modification by a serial of boronic acid derivative self-assembled monolayers. *Applied Surface Science*, **2017**, 423, 521-527 | 6.7 | 16 |
| 511 | Organic, Organometallic and Bioorganic Catalysts for Electrochemical Reduction of CO. *ChemPhysChem*, **2017**, 18, 3094-3116 | 3.2 | 25 |
| 510 | Electrochemical Capture and Release of CO in Aqueous Electrolytes Using an Organic Semiconductor Electrode. *ACS Applied Materials & Interfaces*, **2017**, 9, 12919-12923 | 9.5 | 12 |
| 509 | Increase in electron scattering length in PEDOT:PSS by a triflic acid post-processing. *Monatshefte Fü Chemie*, **2017**, 148, 871-877 | 1.4 | 4 |
| 508 | Biocatalytic and Bioelectrocatalytic Approaches for the Reduction of Carbon Dioxide using Enzymes. *Energy Technology*, **2017**, 5, 812-821 | 3.5 | 44 |
| 507 | Carbon dioxide conversion to synthetic fuels using biocatalytic electrodes. *Journal of Materials Chemistry A*, **2017**, 5, 2429-2443 | 13 | 30 |
| 506 | Paper Electronics **2017**, 163-189 | | 1 |
| 505 | Emerging Green Materials and Technologies for Electronics **2017**, 1-53 | | 6 |
| 504 | Doping-Induced Polaron Formation and Solid-State Polymerization in Benzoporphyrin–Oligothiophene Conjugated Systems. *Journal of Physical Chemistry C*, **2017**, 121, 24397-24407 | 3.8 | 7 |
| 503 | Biofunctionalized conductive polymers enable efficient CO electroreduction. *Science Advances*, **2017**, 3, e1700686 | 14.3 | 61 |
| 502 | Confining metal-halide perovskites in nanoporous thin films. *Science Advances*, **2017**, 3, e1700738 | 14.3 | 81 |

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| 501 | Biocompatible Circuits for Human Machine Interfacing **2017**, 91-118 | | |
| 500 | Engineering DNA and Nucleobases for Present and Future Device Applications **2017**, 191-233 | | 4 |
| 499 | Cellular interfaces with hydrogen-bonded organic semiconductor hierarchical nanocrystals. *Nature Communications*, **2017**, 8, 91 | 17.4 | 37 |
| 498 | Bio-Electrocatalytic Application of Microorganisms for Carbon Dioxide Reduction to Methane. *ChemSusChem*, **2017**, 10, 226-233 | 8.3 | 26 |
| 497 | Microwave-assisted Hydrothermal Synthesis of Structure-controlled ZnO Nanocrystals and Their Properties in Dye-sensitized Solar Cells. *Electrochemistry*, **2017**, 85, 253-261 | 1.2 | 13 |
| 496 | **2017**, | | 21 |
| 495 | Photocatalysis: Hydrogen-Bonded Organic Semiconductors as Stable Photoelectrocatalysts for Efficient Hydrogen Peroxide Photosynthesis (Adv. Funct. Mater. 29/2016). *Advanced Functional Materials*, **2016**, 26, 5247-5247 | 15.6 | |
| 494 | Photovoltaic cells based on ternary P3HT:PCBM:polymethine dye active layer transparent in the visible range of light. *Applied Surface Science*, **2016**, 389, 419-427 | 6.7 | 14 |
| 493 | Systematic Investigation of Porphyrin-Thiophene Conjugates for Ternary Bulk Heterojunction Solar Cells. *Advanced Energy Materials*, **2016**, 6, 1600957 | 21.8 | 21 |
| 492 | Colloids of polypyrrole nanotubes/nanorods: A promising conducting ink. *Synthetic Metals*, **2016**, 221, 67-74 | 3.6 | 24 |
| 491 | Influence of molecular designs on polaronic and vibrational transitions in a conjugated push-pull copolymer. *Scientific Reports*, **2016**, 6, 35096 | 4.9 | 13 |
| 490 | Spectroscopic characterization of charge carriers of the organic semiconductor quinacridone compared with pentacene during redox reactions. *Journal of Materials Chemistry C*, **2016**, 4, 10265-10278 | 7.1 | 11 |
| 489 | Improvement of Catalytic Activity by Nanofibrous CuInS for Electrochemical CO Reduction. *ACS Applied Materials & Interfaces*, **2016**, 8, 31695-31701 | 9.5 | 16 |
| 488 | Local order drives the metallic state in PEDOT:PSS. *Journal of Materials Chemistry C*, **2016**, 4, 6982-6987 | 7.1 | 15 |
| 487 | Solution processed perovskite solar cells using highly conductive PEDOT:PSS interfacial layer. *Solar Energy Materials and Solar Cells*, **2016**, 157, 318-325 | 6.4 | 61 |
| 486 | Factors determining large observed increases in power conversion efficiency of P3HT:PCBM solar cells embedded with Mo6S9 Ix nanowires. *Synthetic Metals*, **2016**, 212, 105-112 | 3.6 | 13 |
| 485 | Electrochemical Reduction of Carbon Dioxide to Methanol by Direct Injection of Electrons into Immobilized Enzymes on a Modified Electrode. *ChemSusChem*, **2016**, 9, 631-5 | 8.3 | 65 |
| 484 | Hydrogen-Bonded Organic Semiconductors as Stable Photoelectrocatalysts for Efficient Hydrogen Peroxide Photosynthesis. *Advanced Functional Materials*, **2016**, 26, 5248-5254 | 15.6 | 92 |

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| 483 | Synthesis and Investigation of N,N□benzylated Epindolidione Derivatives as Organic Semiconductors. *ChemistrySelect*, **2016**, 1, 6349-6355 | 1.8 | 1 |
| 482 | Photoelectrochemical Reduction of CO2 Using Third-Generation Conjugated Polymers. *ChemistrySelect*, **2016**, 1, 1156-1162 | 1.8 | 10 |
| 481 | Direct Electrochemical Addressing of Immobilized Alcohol Dehydrogenase for the Heterogeneous Bioelectrocatalytic Reduction of Butyraldehyde to Butanol. *ChemCatChem*, **2015**, 7, 967-971 | 5.2 | 17 |
| 480 | Conducting materials prepared by the oxidation of p-phenylenediamine with p-benzoquinone. *Journal of Solid State Electrochemistry*, **2015**, 19, 2653-2664 | 2.6 | 12 |
| 479 | Reversible photochemical isomerization of N,N'-di(t-butoxycarbonyl)indigos. *Journal of Physical Chemistry A*, **2015**, 119, 3563-8 | 2.8 | 16 |
| 478 | Using the Alkynyl-Substituted Rhenium(I) Complex (4,4?-Bisphenyl-Ethynyl-2,2?-Bipyridyl)Re(CO)3Cl as Catalyst for CO2 Reduction□Synthesis, Characterization, and Application. *Electrocatalysis*, **2015**, 6, 185-197 | 2.7 | 22 |
| 477 | CuI as versatile hole-selective contact for organic solar cell based on anthracene-containing PPE□PPV. *Solar Energy Materials and Solar Cells*, **2015**, 143, 369-374 | 6.4 | 30 |
| 476 | Enhanced near-infrared response of nano- and microstructured silicon/organic hybrid photodetectors. *Applied Physics Letters*, **2015**, 107, 083302 | 3.4 | 14 |
| 475 | Flexible high power-per-weight perovskite solar cells with chromium oxide-metal contacts for improved stability in air. *Nature Materials*, **2015**, 14, 1032-9 | 27 | 652 |
| 474 | A polydiacetylene□ested porphyrin conjugate for dye-sensitized solar cells. *New Journal of Chemistry*, **2015**, 39, 9228-9233 | 3.6 | 6 |
| 473 | Colloidal CuZnSnSe4□Sx nanocrystals for hybrid solar cells. *Optical Materials*, **2015**, 39, 103-109 | 3.3 | 20 |
| 472 | Polycyclic anthanthrene small molecules: semiconductors for organic field-effect transistors and solar cells applications. *Journal of Materials Chemistry C*, **2015**, 3, 601-606 | 7.1 | 29 |
| 471 | The Role of Heteroatoms Leading to Hydrogen Bonds in View of Extended Chemical Stability of Organic Semiconductors. *Advanced Functional Materials*, **2015**, 25, 6679-6688 | 15.6 | 19 |
| 470 | Spectroelectrochemical Studies on Quinacridone by Using Poly(vinyl alcohol) Coating as Protection Layer. *ChemPhysChem*, **2015**, 16, 2206-10 | 3.2 | 5 |
| 469 | Ambipolar inverters with natural origin organic materials as gate dielectric and semiconducting layer. *Physica Status Solidi - Rapid Research Letters*, **2015**, 9, 358-361 | 2.5 | 7 |
| 468 | Quinoxalineimide as a Novel Electron-accepting Building Block for Organic Optoelectronics. *Chemistry Letters*, **2015**, 44, 1128-1130 | 1.7 | 4 |
| 467 | Electrocatalytic Reduction of Carbon Dioxide using Sol-gel Processed Copper Indium Sulfide (CIS) Immobilized on ITO-Coated Glass Electrode. *Electrocatalysis*, **2015**, 6, 405-413 | 2.7 | 13 |
| 466 | Iodide-capped PbS quantum dots: full optical characterization of a versatile absorber. *Advanced Materials*, **2015**, 27, 1533-9 | 24 | 12 |

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| 465 | Photoresistance and photo induced current hysteresis in bulk heterojunction systems P3HTPCBMPolymethine dye. *Organic Electronics*, **2014**, 15, 1105-1112 | 3.5 | 16 |
| 464 | Photosensitivity of top gate C60 based OFETs: Potential applications for high efficiency organic photodetector. *Organic Electronics*, **2014**, 15, 175-181 | 3.5 | 22 |
| 463 | Origin of Electric Field Dependence of the Charge Mobility and Spatial Energy Correlations in C60-Based Field Effect Transistors. *Molecular Crystals and Liquid Crystals*, **2014**, 589, 18-28 | 0.5 | 3 |
| 462 | 4% Efficient Polymer Solar Cells on Paper Substrates. *Journal of Physical Chemistry C*, **2014**, 118, 16813-16817 | 4.8 | 72 |
| 461 | Direct electrochemical capture and release of carbon dioxide using an industrial organic pigment: quinacridone. *Angewandte Chemie - International Edition*, **2014**, 53, 6819-22 | 16.4 | 47 |
| 460 | Anthracene-containing conjugated polymer showing four optical transitions upon doping: A spectroscopic study. *Journal of Polymer Science, Part B: Polymer Physics*, **2014**, 52, 338-346 | 2.6 | 8 |
| 459 | White organic light emitting diodes based on fluorene-carbazole dendrimers. *Journal of Luminescence*, **2014**, 146, 6-10 | 3.8 | 8 |
| 458 | Photoelectrochemical scanning droplet cell microscopy for localized photovoltaic investigations on organic semiconductors. *Physical Chemistry Chemical Physics*, **2014**, 16, 3739-48 | 3.6 | 11 |
| 457 | Polydiacetylene-nested porphyrin as a potential light harvesting component in bulk heterojunction solar cells. *RSC Advances*, **2014**, 4, 3045-3050 | 3.7 | 16 |
| 456 | A Comparison of Pyridazine and Pyridine as Electrocatalysts for the Reduction of Carbon Dioxide to Methanol. *ChemElectroChem*, **2014**, 1, 1543-1548 | 4.3 | 37 |
| 455 | Air-stable organic semiconductors based on 6,6?-dithienylindigo and polymers thereof. *Journal of Materials Chemistry C*, **2014**, 2, 8089-8097 | 7.1 | 49 |
| 454 | Hydrogen-bonded diketopyrrolopyrrole (DPP) pigments as organic semiconductors. *Organic Electronics*, **2014**, 15, 3521-3528 | 3.5 | 83 |
| 453 | Rhodium-coordinated poly(arylene-ethynylene)-alt-poly(arylene-vinylene) copolymer acting as photocatalyst for visible-light-powered NAD+/NADH reduction. *Journal of the American Chemical Society*, **2014**, 136, 12721-9 | 16.4 | 54 |
| 452 | Sol gel derived In 2 S 3 buffer layers for inverted organic photovoltaic cells. *Solar Energy*, **2014**, 108, 230-237 | 6.8 | 23 |
| 451 | Electrochemical Self-Assembly of Nanostructured CuSCN/Rhodamine B Hybrid Thin Film and Its Dye-Sensitized Photocathodic Properties. *Journal of Physical Chemistry C*, **2014**, 118, 16581-16590 | 3.8 | 25 |
| 450 | Hydrogen-bonded organic semiconductor micro- and nanocrystals: from colloidal syntheses to (opto-)electronic devices. *Journal of the American Chemical Society*, **2014**, 136, 16522-32 | 16.4 | 61 |
| 449 | (Photo)physical Properties of New Molecular Glasses End-Capped with Thiophene Rings Composed of Diimide and Imine Units. *Journal of Physical Chemistry C*, **2014**, 118, 13070-13086 | 3.8 | 34 |
| 448 | Photoelectrochemical and Electrochemical Characterization of Sub-Micro-Gram Amounts of Organic Semiconductors Using Scanning Droplet Cell Microscopy. *Journal of Physical Chemistry C*, **2014**, 118, 16919-16926 | 3.8 | 9 |

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| 447 | Inverted bulk-heterojunction solar cell with cross-linked hole-blocking layer. *Organic Electronics*, **2014**, 15, 997-1001 | 3.5 | 36 |
| 446 | Effect of Varying Thiophene Units on Charge-Transport and Photovoltaic Properties of Poly(phenylene ethynylene)-alt-poly(phenylene vinylene) Polymers. *Macromolecular Chemistry and Physics*, **2014**, 215, 1473-1484 | 2.6 | 3 |
| 445 | Role of recombination, dissociation, and competition between exciton-charge reactions in magnetoconductance of polymeric semiconductor device. *Journal of Applied Physics*, **2014**, 116, 183901 | 2.5 | 7 |
| 444 | Direkte elektrochemische Speicherung und Freisetzung von Kohlendioxid unter der Verwendung eines Industriepigments: Chinacridon. *Angewandte Chemie*, **2014**, 126, 6937-6940 | 3.6 | 3 |
| 443 | Origin of Meyer-Neldel type compensation behavior in organic semiconductors at large carrier concentrations: Disorder versus thermodynamic description. *Physical Review B*, **2014**, 90, | 3.3 | 21 |
| 442 | Substrate-oriented nanorod scaffolds in polymer-fullerene bulk heterojunction solar cells. *ChemPhysChem*, **2014**, 15, 1070-5 | 3.2 | 12 |
| 441 | Two-electron carbon dioxide reduction catalyzed by rhenium(I) bis(imino)acenaphthene carbonyl complexes. *ChemSusChem*, **2014**, 7, 1347-51 | 8.3 | 22 |
| 440 | Photoinduced energy transfer from poly(N-vinylcarbazole) to tricarbonylchloro-(2,2'-bipyridyl)rhenium(I). *ChemPhysChem*, **2014**, 15, 3634-8 | 3.2 | 8 |
| 439 | Localized photovoltaic investigations on organic semiconductors and bulk heterojunction solar cells. *Science and Technology of Advanced Materials*, **2014**, 15, 054201 | 7.1 | 1 |
| 438 | Fabrication and characterization of green light emitting diode. *Turkish Journal of Physics*, **2014**, 38, 509-511 | 1.6 | 1 |
| 437 | Laser ultrasonic receivers based on organic photorefractive polymer composites. *Applied Physics B: Lasers and Optics*, **2014**, 114, 509-515 | 1.9 | 7 |
| 436 | Improved Photovoltaic Performance of PPV-Based Copolymers Using Optimized Fullerene-Based Counterparts. *Advanced Energy Materials*, **2013**, 3, 161-166 | 21.8 | 22 |
| 435 | Surface morphology, optical properties and conductivity changes of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) by using additives. *Thin Solid Films*, **2013**, 536, 211-215 | 2.2 | 85 |
| 434 | Ultrathin, highly flexible and stretchable PLEDs. *Nature Photonics*, **2013**, 7, 811-816 | 33.9 | 706 |
| 433 | On the potential of porphyrin-spiked triarylamine stars for bulk heterojunction solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 10524 | 13 | 19 |
| 432 | Organic nanomaterials for efficient bulk heterojunction solar cells **2013**, 549-578 | | 4 |
| 431 | Reprint of: Ultrafast photoinduced electron transfer in conducting polymer–Buckminsterfullerene composites. *Chemical Physics Letters*, **2013**, 589, 63-66 | 2.5 | 4 |
| 430 | Comparative study of arylene bisimides substituted with imidazole side group for different dielectrics on the OFET application. *Synthetic Metals*, **2013**, 172, 5-10 | 3.6 | 6 |

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| 429 | Dielectric Function of Undoped and Doped Poly[2-methoxy-5-(3',7'-dimethyloctyloxy)-1,4-phenylene-vinylene] by Ellipsometry in a Wide Spectral Range. *Journal of Physical Chemistry C*, **2013**, 117, 22010-22016 | 3.8 | 15 |
| 428 | Doping-Induced Immobile Charge Carriers in Polyazomethine: A Spectroscopic Study. *Journal of Physical Chemistry C*, **2013**, 117, 2584-2589 | 3.8 | 22 |
| 427 | Electrochemical characterization of sub-micro-gram amounts of organic semiconductors using scanning droplet cell microscopy. *Journal of Electroanalytical Chemistry*, **2013**, 691, 77-82 | 4.1 | 20 |
| 426 | Optical and electrical properties of electrochemically doped organic field effect transistors. *Journal of Luminescence*, **2013**, 134, 107-112 | 3.8 | 17 |
| 425 | Characterization of local electrochemical doping of high performance conjugated polymer for photovoltaics using scanning droplet cell microscopy. *Electrochimica Acta*, **2013**, 113, 834-839 | 6.7 | 10 |
| 424 | Temperature dependent charge transport in organic field-effect transistors with the variation of both carrier concentration and electric field. *Journal Physics D: Applied Physics*, **2013**, 46, 495105 | 3 | 14 |
| 423 | Historical perspective on: Ultrafast photoinduced electron transfer in conducting polymer–buckminsterfullerene composites [Volume 213, Issues 3–4, 8 October 1993, Pages 389–394]. *Chemical Physics Letters*, **2013**, 589, 61-62 | 2.5 | 1 |
| 422 | Hydrogen-bonded semiconducting pigments for air-stable field-effect transistors. *Advanced Materials*, **2013**, 25, 1563-9 | 24 | 199 |
| 421 | Electrocatalytic Reduction of Carbon Dioxide to Carbon Monoxide by a Polymerized Film of an Alkynyl-Substituted Rhenium(I) Complex. *ChemCatChem*, **2013**, 5, 1790-1796 | 5.2 | 41 |
| 420 | Natural resin shellac as a substrate and a dielectric layer for organic field-effect transistors. *Green Chemistry*, **2013**, 15, 1473 | 10 | 73 |
| 419 | Hydrogen-bonds in molecular solids - from biological systems to organic electronics. *Journal of Materials Chemistry B*, **2013**, 1, 3742-3753 | 7.3 | 199 |
| 418 | Efficiency of bulk-heterojunction organic solar cells. *Progress in Polymer Science*, **2013**, 38, 1929-1940 | 29.6 | 755 |
| 417 | Natural Materials for Organic Electronics. *Springer Series in Materials Science*, **2013**, 295-318 | 0.9 | 6 |
| 416 | Dipole-Controlled Energy Level Alignment at Dielectric Interfaces in Organic Field-Effect Transistors. *Springer Series in Materials Science*, **2013**, 273-293 | 0.9 | |
| 415 | A facile protection-deprotection route for obtaining indigo pigments as thin films and their applications in organic bulk heterojunctions. *Chemical Communications*, **2013**, 49, 6063-5 | 5.8 | 57 |
| 414 | Silicon/organic hybrid heterojunction infrared photodetector operating in the telecom regime. *Organic Electronics*, **2013**, 14, 1344-1350 | 3.5 | 27 |
| 413 | Breakthroughs in Photonics 2012: Large-Area Ultrathin Photonics. *IEEE Photonics Journal*, **2013**, 5, 0700805-0700805 | 2.8 | 2 |
| 412 | 25th anniversary article: progress in chemistry and applications of functional indigos for organic electronics. *Advanced Materials*, **2013**, 25, 6783-800 | 24 | 161 |

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