# Ana F Nogueira

## List of Publications by Year in Descending Order

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

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|---|---|---|---|
| 162 papers | 6,393 citations | 41 h-index | 76 g-index |
| 193 ext. papers | 7,202 ext. citations | 6.9 avg, IF | 5.86 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 162 | Consensus statement: Standardized reporting of power-producing luminescent solar concentrator performance. *Joule*, **2022**, 6, 8-15 | 27.8 | 14 |
| 161 | SnO2 as thin conformal layer over BiVO4 surface for enhanced charge carrier separation towards O2 evolution from water oxidation. *International Journal of Hydrogen Energy*, **2022**, 47, 5211-5219 | 6.7 | 0 |
| 160 | Double Perovskite Single-Crystal Photoluminescence Quenching and Resurge: The Role of Cu Doping on its Photophysics and Crystal Structure. *Journal of Physical Chemistry Letters*, **2021**, 12, 10444-10449 | 6.4 | 2 |
| 159 | Toward Engineering Intrinsic Line Widths and Line Broadening in Perovskite Nanoplatelets. *ACS Nano*, **2021**, 15, 6499-6506 | 16.7 | 6 |
| 158 | Low-Temperature Blade-Coated Perovskite Solar Cells. *Industrial & Engineering Chemistry Research*, **2021**, 60, 7145-7154 | 3.9 | 5 |
| 157 | Revealing the Perovskite Film Formation Using the Gas Quenching Method by In Situ GIWAXS: Morphology, Properties, and Device Performance. *Advanced Functional Materials*, **2021**, 31, 2007473 | 15.6 | 22 |
| 156 | Device Performance of Emerging Photovoltaic Materials (Version 1). *Advanced Energy Materials*, **2021**, 11, 2002774 | 21.8 | 56 |
| 155 | Photo and electroluminescence of a phenylene vinylene conjugated polymer containing bipirydine units and chelated europium complex. *Journal of Luminescence*, **2021**, 230, 117764 | 3.8 | 4 |
| 154 | Synthesis of novel low bandgap random and block terpolymers with improved performance in organic solar cells. *Journal of Materials Research and Technology*, **2021**, 10, 51-65 | 5.5 | 2 |
| 153 | Challenges and prospects about the graphene role in the design of photoelectrodes for sunlight-driven water splitting.. *RSC Advances*, **2021**, 11, 14374-14398 | 3.7 | 4 |
| 152 | Multidimensional coherent spectroscopy reveals triplet state coherences in cesium lead-halide perovskite nanocrystals. *Science Advances*, **2021**, 7, | 14.3 | 9 |
| 151 | Study of open circuit voltage loss mechanism in perovskite solar cells. *Japanese Journal of Applied Physics*, **2021**, 60, SBBF13 | 1.4 | 7 |
| 150 | Layered metal halide perovskite solar cells: A review from structure-properties perspective towards maximization of their performance and stability. *EcoMat*, **2021**, 3, e12124 | 9.4 | 12 |
| 149 | Statistical and block conjugated polymers for bulk heterojunction solar cells: Molecular orientation, charge transfer dynamics and device performance. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2021**, 270, 115225 | 3.1 | 1 |
| 148 | Effect of the incorporation of poly(ethylene oxide) copolymer on the stability of perovskite solar cells. *Journal of Materials Chemistry C*, **2020**, 8, 9697-9706 | 7.1 | 4 |
| 147 | Bi electrodeposition on WO3 photoanode to improve the photoactivity of the WO3/BiVO4 heterostructure to water splitting. *Chemical Engineering Journal*, **2020**, 399, 125836 | 14.7 | 22 |
| 146 | Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. *Nature Energy*, **2020**, 5, 35-49 | 62.3 | 369 |

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| 145 | In Situ Analysis Reveals the Role of 2D Perovskite in Preventing Thermal-Induced Degradation in 2D/3D Perovskite Interfaces. *Nano Letters*, **2020**, 20, 3992-3998 | 11.5 | 41 |
| 144 | Degradation mechanisms in mixed-cation and mixed-halide CsxFA1−xPb(BryI1−y)3 perovskite films under ambient conditions. *Journal of Materials Chemistry A*, **2020**, 8, 9302-9312 | 13 | 14 |
| 143 | Engineering interfacial modification on nanocrystalline hematite photoanodes: A close look into the efficiency parameters. *Solar Energy Materials and Solar Cells*, **2020**, 208, 110377 | 6.4 | 6 |
| 142 | Structural Origins of Light-Induced Phase Segregation in Organic-Inorganic Halide Perovskite Photovoltaic Materials. *Matter*, **2020**, 2, 207-219 | 12.7 | 77 |
| 141 | Postpassivation of Multication Perovskite with Rubidium Butyrate. *ACS Photonics*, **2020**, 7, 2282-2291 | 6.3 | 8 |
| 140 | Novel zero-dimensional lead-free bismuth based perovskites: from synthesis to structural and optoelectronic characterization. *Materials Advances*, **2020**, 1, 3439-3448 | 3.3 | 7 |
| 139 | Influence of the Vibrational Modes from the Organic Moieties in 2D Lead Halides on Excitonic Recombination and Phase Transition. *Advanced Optical Materials*, **2020**, 8, 2001431 | 8.1 | 11 |
| 138 | Hematite Nanorods Photoanodes Decorated by Cobalt Hexacyanoferrate: The Role of Mixed Oxidized States on the Enhancement of Photoelectrochemical Performance. *ACS Applied Energy Materials*, **2020**, 3, 10097-10107 | 6.1 | 3 |
| 137 | Synthesis and characterization of vinazene end capped dipyrrolo[2,3-b:2?,3?-e]pyrazine-2,6(1H,5H)-dione small molecules as non-fullerene acceptors for bulk heterojunction organic solar cells. *Materials Chemistry and Physics*, **2020**, 240, 122176 | 4.4 | 5 |
| 136 | Revealing the Role of Tin(IV) Halides in the Anisotropic Growth of CsPbX3 Perovskite Nanoplates. *Angewandte Chemie*, **2020**, 132, 11598-11606 | 3.6 | 3 |
| 135 | Revealing the Role of Tin(IV) Halides in the Anisotropic Growth of CsPbX Perovskite Nanoplates. *Angewandte Chemie - International Edition*, **2020**, 59, 11501-11509 | 16.4 | 13 |
| 134 | Design, synthesis and characterization of 1,8-naphthalimide based fullerene derivative as electron transport material for inverted perovskite solar cells. *Synthetic Metals*, **2019**, 249, 25-30 | 3.6 | 9 |
| 133 | Exploring the formation of formamidinium-based hybrid perovskites by antisolvent methods: in situ GIWAXS measurements during spin coating. *Sustainable Energy and Fuels*, **2019**, 3, 2287-2297 | 5.8 | 23 |
| 132 | Progress on Electrolytes Development in Dye-Sensitized Solar Cells. *Materials*, **2019**, 12, | 3.5 | 95 |
| 131 | In Situ 2D Perovskite Formation and the Impact of the 2D/3D Structures on Performance and Stability of Perovskite Solar Cells. *Solar Rrl*, **2019**, 3, 1900199 | 7.1 | 19 |
| 130 | Unraveling the role of single layer graphene as overlayer on hematite photoanodes. *Journal of Catalysis*, **2019**, 372, 109-118 | 7.3 | 11 |
| 129 | Printed single-walled carbon-nanotubes-based counter electrodes for dye-sensitized solar cells with copper-based redox mediators. *Semiconductor Science and Technology*, **2019**, 34, 105001 | 1.8 | 7 |
| 128 | The Thermomechanical Properties of Thermally Evaporated Bismuth Triiodide Thin Films. *Scientific Reports*, **2019**, 9, 11785 | 4.9 | 5 |

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| 127 | Synthesis of Polycrystalline Ruddlesden–Popper Organic Lead Halides and Their Growth Dynamics. *Chemistry of Materials*, **2019**, 31, 9472-9479 | 9.6 | 12 |
| 126 | Nanoscale mapping of chemical composition in organic-inorganic hybrid perovskite films. *Science Advances*, **2019**, 5, eaaw6619 | 14.3 | 53 |
| 125 | Effect of dimensionality on the optical absorption properties of CsPbI perovskite nanocrystals. *Journal of Chemical Physics*, **2019**, 151, 191103 | 3.9 | 19 |
| 124 | Perovskite solar cells based on polyaniline derivatives as hole transport materials. *JPhys Energy*, **2019**, 1, 015004 | 4.9 | 3 |
| 123 | Three-Dimensional Superlattice of PbS Quantum Dots in Flakes. *ACS Omega*, **2018**, 3, 2027-2032 | 3.9 | 5 |
| 122 | Thermal and electrochemical characterization of a new poly (ethylene oxide) copolymer gel electrolyte containing polyvalent ion pair of cobalt (CoII/III) or iron (FeII/III). *Journal of Solid State Electrochemistry*, **2018**, 22, 1591-1605 | 2.6 | 3 |
| 121 | Pillaring and NiOx co-catalyst loading as alternatives for the photoactivity enhancement of K2Ti4O9 towards water splitting. *Sustainable Energy and Fuels*, **2018**, 2, 958-967 | 5.8 | 8 |
| 120 | Surface Photovoltage Measurements on a Particle Tandem Photocatalyst for Overall Water Splitting. *Nano Letters*, **2018**, 18, 805-810 | 11.5 | 57 |
| 119 | Hybrid Solar Cells: Effects of the Incorporation of Inorganic Nanoparticles into Bulk Heterojunction Organic Solar Cells **2018**, 1-68 | | 3 |
| 118 | Application of Graphene and Graphene Derivatives/Oxide Nanomaterials for Solar Cells **2018**, 395-437 | | 3 |
| 117 | Two-Photon Absorption and Two-Photon-Induced Gain in Perovskite Quantum Dots. *Journal of Physical Chemistry Letters*, **2018**, 9, 3478-3484 | 6.4 | 61 |
| 116 | Humidity-Induced Photoluminescence Hysteresis in Variable Cs/Br Ratio Hybrid Perovskites. *Journal of Physical Chemistry Letters*, **2018**, 9, 3463-3469 | 6.4 | 35 |
| 115 | Nonlinear spectroscopy in perovskite quantum dots **2018**, | | 1 |
| 114 | Special Section Guest Editorial: Perovskite-Based Solar Cells. *Journal of Photonics for Energy*, **2018**, 8, 1 | 1.2 | |
| 113 | ETS-10 Modified with CuxO Nanoparticles and Their Application for the Conversion of CO2 and Water into Oxygenates. *Journal of the Brazilian Chemical Society*, **2018**, | 1.5 | 1 |
| 112 | Stabilizing Dendron-Modified Talc-Based Electrolyte for Quasi-Solid Dye-Sensitized Solar Cell. *Electrochimica Acta*, **2017**, 228, 413-421 | 6.7 | 7 |
| 111 | Self-Organized Lead(II) Sulfide Quantum Dots Superlattice. *MRS Advances*, **2017**, 2, 841-846 | 0.7 | 3 |
| 110 | Understanding perovskite formation through the intramolecular exchange method in ambient conditions. *Journal of Photonics for Energy*, **2017**, 7, 022002 | 1.2 | 12 |

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| 109 | Gel Electrolytes with Polyamidopyridine Dendron Modified Talc for Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 20454-20466 | 9.5 | 7 |
| 108 | Long-Term Stability of Dye-Sensitized Solar Cells Assembled with Cobalt Polymer Gel Electrolyte. *Journal of Physical Chemistry C*, **2017**, 121, 17577-17585 | 3.8 | 20 |
| 107 | DNA-DODA-based polymer electrolytes for dye sensitized solar cells. *Molecular Crystals and Liquid Crystals*, **2017**, 655, 131-141 | 0.5 | |
| 106 | Efficient Biexciton Interaction in Perovskite Quantum Dots Under Weak and Strong Confinement. *ACS Nano*, **2016**, 10, 8603-9 | 16.7 | 142 |
| 105 | Boosting the solar-light-driven methanol production through CO 2 photoreduction by loading Cu 2 O on TiO 2 -pillared K 2 Ti 4 O 9. *Microporous and Mesoporous Materials*, **2016**, 234, 1-11 | 5.3 | 27 |
| 104 | Amine-Free Synthesis of Cesium Lead Halide Perovskite Quantum Dots for Efficient Light-Emitting Diodes. *Advanced Functional Materials*, **2016**, 26, 8757-8763 | 15.6 | 265 |
| 103 | Quasi-solid electrolyte with polyamidoamine dendron modified-talc applied to dye-sensitized solar cells. *Journal of Power Sources*, **2016**, 325, 161-170 | 8.9 | 9 |
| 102 | Dye-sensitized solar cells employing polymers. *Progress in Polymer Science*, **2016**, 59, 1-40 | 29.6 | 115 |
| 101 | Nanocrystalline anatase TiO2/reduced graphene oxide composite films as photoanodes for photoelectrochemical water splitting studies: the role of reduced graphene oxide. *Physical Chemistry Chemical Physics*, **2016**, 18, 2608-16 | 3.6 | 73 |
| 100 | Study of photoelectrochemical water splitting using composite films based on TiO 2 nanoparticles and nitrogen or boron doped hollow carbon spheres as photoanodes. *Journal of Molecular Catalysis A*, **2016**, 422, 165-174 | | 31 |
| 99 | Organic Solar Cells with Boron- or Nitrogen-Doped Carbon Nanotubes in the P3HT : PCBM Photoactive Layer. *Journal of Nanomaterials*, **2016**, 2016, 1-11 | 3.2 | 4 |
| 98 | Inverted organic solar cells using nanocellulose as substrate. *Journal of Applied Polymer Science*, **2016**, 133, | 2.9 | 40 |
| 97 | Enhancing Hematite Photoanode Activity for Water Oxidation by Incorporation of Reduced Graphene Oxide. *ChemPhysChem*, **2016**, 17, 170-7 | 3.2 | 13 |
| 96 | Influence of DNA and DNA-PEDOT: PSS on dye sensitized solar cell performance. *Molecular Crystals and Liquid Crystals*, **2016**, 627, 38-48 | 0.5 | 10 |
| 95 | Assembly Considerations for Dye-Sensitized Solar Modules with Polymer Gel Electrolyte. *Industrial & Engineering Chemistry Research*, **2016**, 55, 10278-10285 | 3.9 | 9 |
| 94 | Understanding the Role of Reduced Graphene Oxide in the Electrolyte of Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2016**, 120, 23368-23376 | 3.8 | 26 |
| 93 | Nanostructured hybrid materials based on reduced graphene oxide for solar energy conversion **2016**, | | 3 |
| 92 | Investigation of the structural properties of poly(ethylene oxide) copolymer as gel polymer electrolyte and durability test in dye-sensitized solar cells. *Ionics*, **2015**, 21, 1771-1780 | 2.7 | 15 |

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| 91 | Synthesis and characterization of a quaternary nanocomposite based on TiO2/CdS/rGO/Pt and its application in the photoreduction of CO2 to methane under visible light. *RSC Advances*, **2015**, 5, 33914-33922 | 3.7 | 38 |
| 90 | Enhanced photovoltaic performance of inverted hybrid bulk-heterojunction solar cells using TiO 2 /reduced graphene oxide films as electron transport layers. *Journal of Photonics for Energy*, **2015**, 5, 057408 | 1.2 | 51 |
| 89 | Special Section Guest Editorial: Hybrid Organic-Inorganic Solar Cells. *Journal of Photonics for Energy* , **2015**, 5, 057401 | 1.2 | 1 |
| 88 | Efficient Luminescence from Perovskite Quantum Dot Solids. *ACS Applied Materials & Interfaces*, **2015**, 7, 25007-13 | 9.5 | 401 |
| 87 | Bio-inspired materials for electrochemical devices **2015**, | | 1 |
| 86 | The role of photonics in energy. *Journal of Photonics for Energy*, **2015**, 5, 050997 | 1.2 | 11 |
| 85 | A novel nanocomposite based on TiO2/Cu2O/reduced graphene oxide with enhanced solar-light-driven photocatalytic activity. *Applied Surface Science*, **2015**, 324, 419-431 | 6.7 | 70 |
| 84 | SOLAR CELLS SENSITIZED WITH NATURAL DYES: AN INTRODUCTORY EXPERIMENT ABOUT SOLAR ENERGY FOR UNDERGRADUATE STUDENTS. *Quimica Nova*, **2015**, | 1.6 | 2 |
| 83 | Incorporation of nanocrystals with different dimensionalities in hybrid TiO2/ P 3 HT solar cells. *Journal of Photonics for Energy*, **2015**, 5, 057407 | 1.2 | 2 |
| 82 | A comprehensive review of the application of chalcogenide nanoparticles in polymer solar cells. *Nanoscale*, **2014**, 6, 6371-97 | 7.7 | 70 |
| 81 | Hybrid silicon/P3HT solar cells based on an interfacial modification with a molecular thiophene layer. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 2657-2661 | 1.6 | 5 |
| 80 | Synthesis and characterization of single wall carbon nanotube-grafted poly(3-hexylthiophene) and their nanocomposites with gold nanoparticles. *Synthetic Metals*, **2013**, 176, 55-64 | 3.6 | 12 |
| 79 | On the behavior of the carboxyphenylterpyridine(8-quinolinolate) thiocyanatoruthenium(II) complex as a new black dye in TiO2 solar cells modified with carboxymethyl-beta-cyclodextrin. *Inorganic Chemistry Communication*, **2013**, 36, 35-38 | 3.1 | 9 |
| 78 | ZnO nanostructures directly grown on paper and bacterial cellulose substrates without any surface modification layer. *Chemical Communications*, **2013**, 49, 8096-8 | 5.8 | 47 |
| 77 | Enhancing in the performance of dye-sensitized solar cells by the incorporation of functionalized multi-walled carbon nanotubes into TiO2 films: The role of MWCNT addition. *Journal of Photochemistry and Photobiology A: Chemistry*, **2013**, 251, 78-84 | 4.7 | 31 |
| 76 | Photophysical and photovoltaic properties of a polymer–fullerene system containing CdSe nanoparticles. *Synthetic Metals*, **2013**, 164, 69-77 | 3.6 | 13 |
| 75 | Incorporation of Inorganic Nanoparticles into Bulk Heterojunction Organic Solar Cells **2013**, 1-47 | | 2 |
| 74 | Thermoelectric properties of V2O5 thin films deposited by thermal evaporation. *Applied Surface Science*, **2013**, 282, 590-594 | 6.7 | 55 |

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| 73 | Synthesis of C60-containing Polymers by Ring-opening Metathesis Co-polymerization of a C60-cyclopentadiene Cycloadduct and N-(cycloheptyl)-endo-norbornene-5,6-dicarboximide and their Application in a Photovoltaic Device. *Fullerenes Nanotubes and Carbon Nanostructures*, **2013**, 21, 198-212 | 1.8 | 6 |
| 72 | Cross-linked gel polymer electrolyte containing multi-wall carbon nanotubes for application in dye-sensitized solar cells. *Journal of Power Sources*, **2012**, 208, 263-270 | 8.9 | 60 |
| 71 | Morphology and topography analysis of mesoporous titania templated by micrometric latex sphere arrays. *Microporous and Mesoporous Materials*, **2012**, 152, 84-95 | 5.3 | 4 |
| 70 | Transparent Conducting Oxide-Free Dye-Sensitized Solar Cells Based Solely on Flexible Foils. *Industrial & Engineering Chemistry Research*, **2012**, 51, 9700-9703 | 3.9 | 4 |
| 69 | Connecting the (quantum) dots: towards hybrid photovoltaic devices based on chalcogenide gels. *Physical Chemistry Chemical Physics*, **2012**, 14, 15180-4 | 3.6 | 15 |
| 68 | Nanocomposites of gold and poly(3-hexylthiophene) containing fullerene moieties: Synthesis, characterization and application in solar cells. *Journal of Power Sources*, **2012**, 215, 99-108 | 8.9 | 16 |
| 67 | Nanocomposites based on MWCNT and styrene□butadiene□styrene block copolymers: Effect of the preparation method on dispersion and polymer□filler interactions. *Composites Science and Technology*, **2012**, 72, 1487-1492 | 8.6 | 25 |
| 66 | Tailoring the interface using thiophene small molecules in TiO2/P3HT hybrid solar cells. *Physical Chemistry Chemical Physics*, **2012**, 14, 11990-3 | 3.6 | 11 |
| 65 | Prepara□ de nanopart□culas de prata e ouro: um m□todo simples para a introdu□ da nanoci□ncia em laborat□rio de ensino. *Quimica Nova*, **2012**, 35, 1872-1878 | 1.6 | 29 |
| 64 | Hybrid photovoltaic devices based on chalcogenide nanostructures **2012**, | | 3 |
| 63 | Organic and Hybrid Solar Cells Based on Small Molecules. *Green Energy and Technology*, **2011**, 57-114 | 0.6 | |
| 62 | Synthesis, characterization and introduction of a new ion-coordinating ruthenium sensitizer dye in quasi-solid state TiO2 solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, 222, 185-191 | 4.7 | 16 |
| 61 | Conjugated copolymers based on poly(fluorenylene vinylene) derivatives containing push□pull units: Synthesis and characterization. *Materials Chemistry and Physics*, **2011**, 130, 223-230 | 4.4 | 5 |
| 60 | Photoelectrochemical, photophysical and morphological studies of electrostatic layer-by-layer thin films based on poly(p-phenylenevinylene) and single-walled carbon nanotubes. *Photochemical and Photobiological Sciences*, **2011**, 10, 1766-72 | 4.2 | 4 |
| 59 | Doping saturation in dye-sensitized solar cells based on ZnO:Ga nanostructured photoanodes. *Electrochimica Acta*, **2011**, 56, 6503-6509 | 6.7 | 30 |
| 58 | Polymer electrolytes for dye-sensitized solar cells **2010**, 381-430 | | 2 |
| 57 | Investigation of new PPV-type polymeric materials containing fluorene and thiophene units and their application in organic solar cells. *Synthetic Metals*, **2010**, 160, 1654-1661 | 3.6 | 22 |
| 56 | The effects of CdSe incorporation into bulk heterojunction solar cells. *Journal of Materials Chemistry*, **2010**, 20, 4845 | | 88 |

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| 55 | Hybrid nanostructured solar cells based on the incorporation of inorganic nanoparticles in polymer-fullerene mixtures **2010**, | | 3 |
| 54 | A facile nonaqueous route for fabricating titania nanorods and their viability in quasi-solid-state dye-sensitized solar cells. *Journal of Materials Chemistry*, **2010**, 20, 4425 | | 52 |
| 53 | Efficient dye-sensitized solar cells based on the combination of ZnO nanorods and microflowers. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 6432-8 | 1.3 | 6 |
| 52 | A polymer gel electrolyte composed of a poly(ethylene oxide) copolymer and the influence of its composition on the dynamics and performance of dye-sensitized solar cells. *Journal of Power Sources*, **2010**, 195, 1246-1255 | 8.9 | 66 |
| 51 | Preparation of conducting polyanilines doped with Keggin-type polyoxometalates and their application as counter electrode in dye-sensitized solar cells. *Journal of Materials Science*, **2010**, 45, 5054-5060 | 4.3 | 30 |
| 50 | Electrochromic devices based on poly(3-methylthiophene) and various secondary electrochromic materials. *Solar Energy Materials and Solar Cells*, **2010**, 94, 1338-1345 | 6.4 | 18 |
| 49 | Preparation and characterization of core-shell electrodes for application in gel electrolyte-based dye-sensitized solar cells. *Electrochimica Acta*, **2010**, 55, 1468-1474 | 6.7 | 24 |
| 48 | Stepped light-induced transient measurements of photocurrent and voltage in dye-sensitized solar cells based on ZnO and ZnO:Ga. *Journal of Applied Physics*, **2009**, 106, 064316 | 2.5 | 11 |
| 47 | Conductivity and mechanical properties of composites based on MWCNTs and styrene-butadiene-styrene block copolymers. *Journal of Applied Polymer Science*, **2009**, 112, 3241-3248 | 2.9 | 46 |
| 46 | Synthesis and characterization of aniline copolymers containing carboxylic groups and their application as sensitizer and hole conductor in solar cells. *Synthetic Metals*, **2009**, 159, 2348-2354 | 3.6 | 29 |
| 45 | New insights into dye-sensitized solar cells with polymer electrolytes. *Journal of Materials Chemistry*, **2009**, 19, 5279 | | 247 |
| 44 | Electrochemical and structural characterization of polymer gel electrolytes based on a PEO copolymer and an imidazolium-based ionic liquid for dye-sensitized solar cells. *ACS Applied Materials & Interfaces*, **2009**, 1, 2870-7 | 9.5 | 81 |
| 43 | Single-wall carbon nanotubes chemically modified with cysteamine and their application in polymer solar cells: influence of the chemical modification on device performance. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 5850-9 | 1.3 | 4 |
| 42 | Synthesis and characterization of ZnO and ZnO:Ga films and their application in dye-sensitized solar cells. *Dalton Transactions*, **2008**, 1487-91 | 4.3 | 25 |
| 41 | Enhancement of photocurrent generation and open circuit voltage in dye-sensitized solar cells using Li+ trapping species in the gel electrolyte. *Chemical Communications*, **2008**, 1121-3 | 5.8 | 58 |
| 40 | Contrasting photoelectrochemical behaviour of two isomeric supramolecular dyes based on meso-tetra(pyridyl)porphyrin incorporating four (β-oxo)- triruthenium(III) clusters. *New Journal of Chemistry*, **2008**, 32, 1167 | 3.6 | 21 |
| 39 | Ga-Modified Nanostructured ZnO: Characterization and Application in Dye-Sensitized Solar Cells. *Materials Science Forum*, **2008**, 591-593, 13-17 | 0.4 | 1 |
| 38 | Application of a composite polymer electrolyte based on montmorillonite in dye-sensitized solar cells. *Journal of the Brazilian Chemical Society*, **2008**, 19, 688-696 | 1.5 | 28 |

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| 37 | Solar module using dye-sensitized solar cells with a polymer electrolyte. *Solar Energy Materials and Solar Cells*, **2008**, 92, 1110-1114 | 6.4 | 38 |
| 36 | The role of gel electrolyte composition in the kinetics and performance of dye-sensitized solar cells. *Electrochimica Acta*, **2008**, 53, 7166-7172 | 6.7 | 55 |
| 35 | Polymer Solar Cells Using Single-Wall Carbon Nanotubes Modified with Thiophene Pedant Groups. *Journal of Physical Chemistry C*, **2007**, 111, 18431-18438 | 3.8 | 66 |
| 34 | Dye-sensitized solar cells based on TiO2 nanotubes and a solid-state electrolyte. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 189, 153-160 | 4.7 | 82 |
| 33 | On the possibility of using embedded electrodes for the measurement of dielectric properties in organic coatings. *Progress in Organic Coatings*, **2007**, 59, 186-191 | 4.8 | 15 |
| 32 | Dye-sensitized solar cell architecture based on indium tin oxide nanowires coated with titanium dioxide. *Scripta Materialia*, **2007**, 57, 277-280 | 5.6 | 59 |
| 31 | Carbon nanotube–polybithiophene photovoltaic devices with high open-circuit voltage. *Physica Status Solidi - Rapid Research Letters*, **2007**, 1, R43-R45 | 2.5 | 31 |
| 30 | Photoelectrochemical properties of poly(terthiophene) films modified with a fullerene derivative. *Thin Solid Films*, **2006**, 515, 2644-2649 | 2.2 | 7 |
| 29 | Electrochemical synthesis, characterization and photophysics of a poly(fluorenylene vinylene) derivative. *Synthetic Metals*, **2006**, 156, 104-109 | 3.6 | 16 |
| 28 | Dye-sensitized solar cells and solar module using polymer electrolytes: Stability and performance investigations. *International Journal of Photoenergy*, **2006**, 2006, 1-6 | 2.1 | 15 |
| 27 | Solid-state dye-sensitized solar cell: Improved performance and stability using a plasticized polymer electrolyte. *Journal of Photochemistry and Photobiology A: Chemistry*, **2006**, 181, 226-232 | 4.7 | 65 |
| 26 | A highly efficient redox chromophore for simultaneous application in a photoelectrochemical dye sensitized solar cell and electrochromic devices. *New Journal of Chemistry*, **2005**, 29, 320-324 | 3.6 | 35 |
| 25 | Conduction and photoelectrochemical properties of monomeric and electropolymerized tetraruthenated porphyrin films. *Photochemical and Photobiological Sciences*, **2005**, 4, 359-66 | 4.2 | 23 |
| 24 | Charge recombination in CuPc/PTCDA thin films. *Journal of Physical Chemistry B*, **2005**, 109, 11693-6 | 3.4 | 8 |
| 23 | Polymers in dye sensitized solar cells: overview and perspectives. *Coordination Chemistry Reviews*, **2004**, 248, 1455-1468 | 23.2 | 372 |
| 22 | Sensitization of TiO(2) by supramolecules containing zinc porphyrins and ruthenium-polypyridyl complexes. *Inorganic Chemistry*, **2004**, 43, 396-8 | 5.1 | 51 |
| 21 | Photoelectrochemical properties of supramolecular species containing porphyrin and ruthenium complexes on TiO(2) films. *Photochemical and Photobiological Sciences*, **2004**, 3, 56-62 | 4.2 | 37 |
| 20 | Charge recombination dynamics in a polymer/fullerene bulk heterojunction studied by transient absorption spectroscopy. *Synthetic Metals*, **2003**, 137, 1505-1506 | 3.6 | 4 |

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| 19 | Excited state spectroscopy in polymer fullerene photovoltaic devices under operation conditions. *Synthetic Metals*, **2003**, 139, 577-580 | 3.6 | 8 |
| 18 | Charge Recombination in Conjugated Polymer/Fullerene Blended Films Studied by Transient Absorption Spectroscopy. *Journal of Physical Chemistry B*, **2003**, 107, 1567-1573 | 3.4 | 190 |
| 17 | Solid-State and Flexible Dye-Sensitized TiO2 Solar Cells: a Study by Electrochemical Impedance Spectroscopy. *Journal of Physical Chemistry B*, **2002**, 106, 5925-5930 | 3.4 | 287 |
| 16 | Transient optical studies of charge recombination dynamics in a polymer/fullerene composite at room temperature. *Applied Physics Letters*, **2002**, 81, 3001-3003 | 3.4 | 179 |
| 15 | Poly(ethylene oxide-co-epichlorohydrin)/NaI: a promising polymer electrolyte for photoelectrochemical cells. *Solid State Ionics*, **2001**, 140, 327-335 | 3.3 | 43 |
| 14 | Solid-state photoelectrochemical cell using a polythiophene derivative as photoactive electrode. *Solar Energy Materials and Solar Cells*, **2001**, 69, 315-323 | 6.4 | 18 |
| 13 | Dye-Sensitized Nanocrystalline Solar Cells Employing a Polymer Electrolyte. *Advanced Materials*, **2001**, 13, 826-830 | 24 | 338 |
| 12 | All-polymeric electrochromic and photoelectrochemical devices: new advances. *Electrochimica Acta*, **2001**, 46, 4243-4249 | 6.7 | 86 |
| 11 | Electron Transfer Dynamics in Dye Sensitized Nanocrystalline Solar Cells Using a Polymer Electrolyte. *Journal of Physical Chemistry B*, **2001**, 105, 7517-7524 | 3.4 | 148 |
| 10 | Photoelectrochemical properties of PAni-DBSA/EPDM blends. *Synthetic Metals*, **2001**, 121, 1569-1570 | 3.6 | 6 |
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| 2 | Recent developments in perovskites-based precursor inks for scalable architectures of perovskite solar cell technology.. *Sustainable Energy and Fuels*, | 5.8 | 0 |

# List of Publications

1 Improving the Stability and Efficiency of Perovskite Solar Cells by a Bidentate Anilinium Salt. *Jacs Au*, 1