# Riccardo Ruffo

List of Publications by Year
in descending order

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|---|---|---|---|
| 141 papers | 8,292 citations | 61984 43 h-index | 46799 89 g-index |
| 152 all docs | 152 docs citations | 152 times ranked | 11126 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Crystalline-Amorphous Coreâ"Shell Silicon Nanowires for High Capacity and High Current Battery Electrodes. Nano Letters, 2009, 9, 491-495. | 9.1 | 1,110 |
| 2 | Spinel LiMn<sub>2</sub>O<sub>4</sub> Nanorods as Lithium Ion Battery Cathodes. Nano Letters, 2008, 8, 3948-3952. | 9.1 | 579 |
| 3 | Surface chemistry and morphology of the solid electrolyte interphase on silicon nanowire lithium-ion battery anodes. Journal of Power Sources, 2009, 189, 1132-1140. | 7.8 | 559 |
| 4 | Impedance Analysis of Silicon Nanowire Lithium Ion Battery Anodes. Journal of Physical Chemistry C, 2009, 113, 11390-11398. | 3.1 | 510 |
| 5 | Ultrathin Spinel LiMn<sub>2</sub>O<sub>4</sub> Nanowires as High Power Cathode Materials for Li-Ion Batteries. Nano Letters, 2010, 10, 3852-3856. | 9.1 | 452 |
| 6 | Structural and electrochemical study of the reaction of lithium with silicon nanowires. Journal of Power Sources, 2009, 189, 34-39. | 7.8 | 276 |
| 7 | Electrochemical behavior of LiCoO2 as aqueous lithium-ion battery electrodes. Electrochemistry Communications, 2009, 11, 247-249. | 4.7 | 229 |
| 8 | Macroporous WO<sub>3</sub> Thin Films Active in NH<sub>3</sub> Sensing: Role of the Hosted Cr Isolated Centers and Pt Nanoclusters. Journal of the American Chemical Society, 2011, 133, 5296-5304. | 13.7 | 197 |
| 9 | Manganeseâ€"cobalt hexacyanoferrate cathodes for sodium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 4211-4223. | 10.3 | 180 |
| 10 | Shape-Controlled TiO<sub>2</sub> Nanocrystals for Na-Ion Battery Electrodes: The Role of Different Exposed Crystal Facets on the Electrochemical Properties. Nano Letters, 2017, 17, 992-1000. | 9.1 | 162 |
| 11 | Diffusion behavior of sodium ions in Na0.44MnO2 in aqueous and non-aqueous electrolytes. Journal of Power Sources, 2013, 244, 758-763. | 7.8 | 158 |
| 12 | Assessment of Water-Soluble Ï€-Extended Squaraines as One- and Two-Photon Singlet Oxygen Photosensitizers:â€‰ Design, Synthesis, and Characterization. Journal of the American Chemical Society, 2008, 130, 1894-1902. | 13.7 | 152 |
| 13 | Readiness Level of Sodiumâ€Ion Battery Technology: A Materials Review. Advanced Sustainable Systems, 2018, 2, 1700153. | 5.3 | 135 |
| 14 | Layered Na0.71CoO2: a powerful candidate for viable and high performance Na-batteries. Physical Chemistry Chemical Physics, 2012, 14, 5945. | 2.8 | 116 |
| 15 | Single Nanorod Devices for Battery Diagnostics: A Case Study on LiMn<sub>2</sub>O<sub>4</sub>. Nano Letters, 2009, 9, 4109-4114. | 9.1 | 114 |
| 16 | High Efficiency Upâ€Converting Single Phase Elastomers for Photon Managing Applications. Advanced Energy Materials, 2013, 3, 680-686. | 19.5 | 108 |
| 17 | High Stokes shift perylene dyes for luminescent solar concentrators. Chemical Communications, 2013, 49, 1618. | 4.1 | 97 |
| 18 | One-Step Preparation of SnO<sub>2</sub> and Pt-Doped SnO<sub>2</sub> As Inverse Opal Thin Films for Gas Sensing. Chemistry of Materials, 2010, 22, 4083-4089. | 6.7 | 96 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Co3O4 negative electrode material for rechargeable sodium ion batteries: An investigation of conversion reaction mechanism and morphology-performances correlations. Journal of Power Sources, 2016, 332, 42-50. | 7.8 | 86 |
| 20 | Alkaline glucose oxidation on nanostructured gold electrodes. Gold Bulletin, 2010, 43, 57-64. | 2.7 | 84 |
| 21 | The Na2FeP2O7-carbon nanotubes composite as high rate cathode material for sodium ion batteries. Journal of Power Sources, 2016, 302, 61-69. | 7.8 | 78 |
| 22 | Lithiation Mechanism in High-Entropy Oxides as Anode Materials for Li-Ion Batteries: An Operando XAS Study. ACS Applied Materials & Interfaces, 2020, 12, 50344-50354. | 8.0 | 78 |
| 23 | Electrochemical characterization of LiCoO2 as rechargeable electrode in aqueous LiNO3 electrolyte. Solid State Ionics, 2011, 192, 289-292. | 2.7 | 72 |
| 24 | New perfluorinated ionomer with improved oxygen permeability for application in cathode polymeric electrolyte membrane fuel cell. Journal of Power Sources, 2018, 396, 95-101. | 7.8 | 70 |
| 25 | Effect of the alkali insertion ion on the electrochemical properties of nickel hexacyanoferrate electrodes. Faraday Discussions, 2014, 176, 69-81. | 3.2 | 68 |
| 26 | New Rollâ€toâ€Roll Processable PEDOTâ€Based Polymer with Colorless Bleached State for Flexible Electrochromic Devices. Advanced Functional Materials, 2020, 30, 1906254. | 14.9 | 68 |
| 27 | Impedance analysis of Na0.44MnO2 positive electrode for reversible sodium batteries in organic electrolyte. Electrochimica Acta, 2013, 108, 575-582. | 5.2 | 66 |
| 28 | Facile synthesis and electrochemical performance of ordered LiNi0.5Mn1.5O4 nanorods as a high power positive electrode for rechargeable Li-ion batteries. Journal of Power Sources, 2011, 196, 10712-10716. | 7.8 | 63 |
| 29 | Stateâ€ofâ€theâ€Art Neutral Tint Multichromophoric Polymers for Highâ€Contrast Seeâ€Through Electrochromic Devices. Advanced Functional Materials, 2016, 26, 5240-5246. | 14.9 | 63 |
| 30 | Tetraaryl Zn<sup>II</sup> Porphyrinates Substituted at Î²â€Pyrrolic Positions as Sensitizers in Dyeâ€Sensitized Solar Cells: A Comparison with mesoâ€Disubstituted Pushâ€“Pull Zn<sup>II</sup> Porphyrinates. Chemistry - A European Journal, 2013, 19, 10723-10740. | 3.3 | 60 |
| 31 | Fast and air stable near-infrared organic detector based on squaraine dyes. Organic Electronics, 2009, 10, 1314-1319. | 2.6 | 58 |
| 32 | Paving the Way toward Highly Efficient, High-Energy Potassium-Ion Batteries with Ionic Liquid Electrolytes. Chemistry of Materials, 2020, 32, 7653-7661. | 6.7 | 58 |
| 33 | Stokes shift/emission efficiency trade-off in donorâ€“acceptor perylenemonoimides for luminescent solar concentrators. Journal of Materials Chemistry A, 2015, 3, 8045-8054. | 10.3 | 57 |
| 34 | Indolic Squaraines as Two-Photon Absorbing Dyes in the Visible Region: X-ray Structure, Electrochemical, and Nonlinear Optical Characterization. Chemistry of Materials, 2008, 20, 3242-3244. | 6.7 | 56 |
| 35 | Gray to Colorless Switching, Crosslinked Electrochromic Polymers with Outstanding Stability and Transmissivity From Naphthalenediimmideâ€Functionalized EDOT. Advanced Materials, 2012, 24, 2004-2008. | 21.0 | 55 |
| 36 | Dye-sensitized photocatalytic hydrogen production: distinct activity in a glucose derivative of a phenothiazine dye. Chemical Communications, 2016, 52, 6977-6980. | 4.1 | 55 |

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|---|---|---|---|
| 37 | Surface reactivity of nanostructured tin oxide and Pt-doped tin oxide as studied by EPR and XPS spectroscopies. Materials Science and Engineering C, 2001, 15, 167-169. | 7.3 | 54 |
| 38 | Neutron Diffraction and Electrochemical Study of FeNb<sub>11</sub>O<sub>29</sub>/Li<sub>11</sub>FeNb<sub>11</sub>O<sub>29</sub> for Lithium Battery Anode Applications. Chemistry of Materials, 2014, 26, 2203-2209. | 6.7 | 54 |
| 39 | Panchromatic Crossâ€Substituted Squaraines for Dyeâ€Sensitized Solar Cell Applications. ChemSusChem, 2009, 2, 621-624. | 6.8 | 51 |
| 40 | Second harmonic generation in nonsymmetrical squaraines: tuning of the directional charge transfer character in highly delocalized dyes. Journal of Materials Chemistry, 2009, 19, 8190. | 6.7 | 48 |
| 41 | Tuning Thiopheneâ€Based Phenothiazines for Stable Photocatalytic Hydrogen Production. ChemSusChem, 2015, 8, 4216-4228. | 6.8 | 48 |
| 42 | Panchromatic squaraine compounds for broad band light harvesting electronic devices. Journal of Materials Chemistry, 2012, 22, 6704. | 6.7 | 45 |
| 43 | Nanostructured Pt-Doped Tin Oxide Films:Â Solâ^'Gel Preparation, Spectroscopic and Electrical Characterization. Chemistry of Materials, 2001, 13, 4355-4361. | 6.7 | 43 |
| 44 | Thiocyanate-free cyclometalated ruthenium sensitizers for solar cells based on heteroaromatic-substituted 2-arylpyridines. Dalton Transactions, 2012, 41, 11731. | 3.3 | 39 |
| 45 | A new thiocyanate-free cyclometallated ruthenium complex for dye-sensitized solar cells: Beneficial effects of substitution on the cyclometallated ligand. Journal of Organometallic Chemistry, 2012, 714, 88-93. | 1.8 | 38 |
| 46 | Exploiting Selfâ€Healing in Lithium Batteries: Strategies for Nextâ€Generation Energy Storage Devices. Advanced Energy Materials, 2020, 10, 2002815. | 19.5 | 38 |
| 47 | Nanocrystalline SnO2-Based Thin Films Obtained by Solâ^'Gel Route:â€‰ A Morphological and Structural Investigation. Chemistry of Materials, 2003, 15, 2646-2650. | 6.7 | 37 |
| 48 | Bulk Heterojunction Solar Cells â€“ Tuning of the HOMO and LUMO Energy Levels of Pyrrolic Squaraine Dyes. European Journal of Organic Chemistry, 2011, 2011, 5555-5563. | 2.4 | 37 |
| 49 | Asymmetric Tribranched Dyes: An Intramolecular Cosensitization Approach for Dyeâ€Sensitized Solar Cells. European Journal of Organic Chemistry, 2013, 2013, 6793-6801. | 2.4 | 36 |
| 50 | Ruthenium(Platinum)-Doped Tin Dioxide Inverted Opals for Gas Sensors:â€‰ Synthesis, Electron Paramagnetic Resonance, MÃ¶ssbauer, and Electrical Investigation. Chemistry of Materials, 2005, 17, 6167-6171. | 6.7 | 32 |
| 51 | Chemically Sustainable Large Stokes Shift Derivatives for High-Performance Large-Area Transparent Luminescent Solar Concentrators. Joule, 2020, 4, 1988-2003. | 24.0 | 32 |
| 52 | Phosphate materials for cathodes in lithium ion secondary batteries. Ionics, 2005, 11, 213-219. | 2.4 | 31 |
| 53 | Quaterpyridine Ligands for Panchromatic Ru(II) Dye Sensitizers. Journal of Organic Chemistry, 2012, 77, 7945-7956. | 3.2 | 30 |
| 54 | Can electron paramagnetic resonance measurements predict the electrical sensitivity of SnO2-based film?. Applied Magnetic Resonance, 2002, 22, 89-100. | 1.2 | 29 |

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| 55 | Surface interaction of WO3 nanocrystals with NH3. Role of the exposed crystal surfaces and porous structure in enhancing the electrical response. RSC Advances, 2014, 4, 11012. | 3.6 | 29 |
| 56 | Pyridineâ”EDOT Heteroaryleneâ”Vinylene Donorâ”Acceptor Polymers. Macromolecules, 2010, 43, 9698-9713. | 4.8 | 28 |
| 57 | Mechanistic study of the redox process of an in situ oxidatively polymerised poly(3,4-ethylene-dioxythiophene) film. Solar Energy Materials and Solar Cells, 2008, 92, 140-145. | 6.2 | 27 |
| 58 | Regioselective Synthesis of 1,2- vs 1,3-Squaraines. Organic Letters, 2011, 13, 3166-3169. | 4.6 | 27 |
| 59 | Postâ€Deposition Activation of Latent Hydrogenâ€Bonding: A New Paradigm for Enhancing the Performances of Bulk Heterojunction Solar Cells. Advanced Functional Materials, 2014, 24, 7410-7419. | 14.9 | 27 |
| 60 | Physicochemical Investigation of the Panchromatic Effect on Î²-Substituted Zn<sup>II</sup> Porphyrinates for DSSCs: The Role of the Ï€ Bridge between a Dithienylethylene Unit and the Porphyrinic Ring. Journal of Physical Chemistry C, 2014, 118, 7307-7320. | 3.1 | 27 |
| 61 | Electrode kinetics in the â€œcapacitive mixingâ€•and â€œbattery mixingâ€•techniques for energy production from salinity differences. Electrochimica Acta, 2015, 176, 1065-1073. | 5.2 | 27 |
| 62 | Role of the carbon defects in the catalytic oxygen reduction by graphite nanoparticles: a spectromagnetic, electrochemical and computational integrated approach. Physical Chemistry Chemical Physics, 2019, 21, 6021-6032. | 2.8 | 27 |
| 63 | Enhanced Functional Properties of Ti 3 C 2 T x MXenes as Negative Electrodes in Sodiumâ€Ion Batteries by Chemical Tuning. Small Methods, 2020, 4, 2000314. | 8.6 | 27 |
| 64 | Electrochemical characterization of highly abundant, low cost iron (III) oxide as anode material for sodium-ion rechargeable batteries. Electrochimica Acta, 2018, 269, 367-377. | 5.2 | 26 |
| 65 | Mechanism of sensing NO in argon by nanocrystalline SnO2: electron paramagnetic resonance, MÃ¶ssbauer and electrical study. Sensors and Actuators B: Chemical, 2004, 100, 228-235. | 7.8 | 25 |
| 66 | A vinyleneâ€linked benzo[1,2â€b:4,5â€b']dithiopheneâ€2,1,3â€benzothiadiazole lowâ€bandgap polymer. Journal of Polymer Science Part A, 2012, 50, 2829-2840. | 2.3 | 25 |
| 67 | Connecting molecule oxidation to single crystal structural and charge transport properties in rubrene derivatives. Journal of Materials Chemistry C, 2014, 2, 4147-4155. | 5.5 | 25 |
| 68 | Polymer-in-Ceramic Nanocomposite Solid Electrolyte for Lithium Metal Batteries Encompassing PEO-Grafted TiO<sub>2</sub> Nanocrystals. Journal of the Electrochemical Society, 2020, 167, 070535. | 2.9 | 25 |
| 69 | Electrolytes for quasi solid-state dye-sensitized solar cells based on block copolymers. Journal of Polymer Science Part A, 2014, 52, 719-727. | 2.3 | 24 |
| 70 | Interaction of NO with Nanosized Ru-, Pd-, and Pt-Doped SnO2:Â Electron Paramagnetic Resonance, MÃ¶ssbauer, and Electrical Investigation. Journal of Physical Chemistry B, 2005, 109, 7195-7202. | 2.6 | 23 |
| 71 | Electrical and electrochemical behaviour of several LiFe x Co1â€‰â”â€‰x PO4 solid solutions as cathode materials for lithium ion batteries. Ionics, 2007, 13, 287-291. | 2.4 | 23 |
| 72 | Co-precipitation in aqueous medium of La0.8Sr0.2Ga0.8Mg0.2O3â”Î´ via inorganic precursors. Journal of Power Sources, 2010, 195, 8116-8123. | 7.8 | 23 |

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| 73 | Enhanced photocatalytic hydrogen generation using carbazole-based sensitizers. Sustainable Energy and Fuels, 2017, 1, 694-698. | 4.9 | 23 |
| 74 | Crosslinked Electroactive Polymers Containing Naphthalene-Bisimide Redox Centers for Energy Storage. Journal of the Electrochemical Society, 2013, 160, A1094-A1098. | 2.9 | 22 |
| 75 | Electro-spun Co3O4 anode material for Na-ion rechargeable batteries. Solid State Ionics, 2017, 309, 41-47. | 2.7 | 22 |
| 76 | The Missing Piece: The Structure of the Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene and Its Behavior as Negative Electrode in Sodium Ion Batteries. Nano Letters, 2021, 21, 8290-8297. | 9.1 | 22 |
| 77 | Characterization of (1â^'x) La0.83Sr0.17Ga0.83Mg0.17O2.83â^'xLa0.8Sr0.2MnO3 (0â‰¤xâ‰¤1) composite cathodes. Journal of the European Ceramic Society, 2005, 25, 2587-2591. | 5.7 | 21 |
| 78 | UV absorbing zwitterionic pyridinium-tetrazolate: exceptional transparency/optical nonlinearity trade-off. Chemical Communications, 2011, 47, 292-294. | 4.1 | 20 |
| 79 | A study on cobalt substitution in sodium manganese mixed-anion phosphates as positive electrode materials for Na-ion batteries. Journal of Power Sources, 2019, 444, 227274. | 7.8 | 19 |
| 80 | A physico-chemical investigation of highly concentrated potassium acetate solutions towards applications in electrochemistry. Physical Chemistry Chemical Physics, 2021, 23, 1139-1145. | 2.8 | 19 |
| 81 | Influence of doping elements on the formation rate of silicon nanowires by silver-assisted chemical etching. Surface and Coatings Technology, 2015, 280, 37-42. | 4.8 | 18 |
| 82 | Transition Metal Oxides on Reduced Graphene Oxide Nanocomposites: Evaluation of Physicochemical Properties. Journal of Nanomaterials, 2019, 2019, 1-9. | 2.7 | 18 |
| 83 | Ti3C2Tx MXene compounds for electrochemical energy storage. Current Opinion in Electrochemistry, 2021, 29, 100764. | 4.8 | 17 |
| 84 | A High Molecular Weight Donor for Electron Injection Interlayers on Metal Electrodes. ChemPhysChem, 2009, 10, 2947-2954. | 2.1 | 16 |
| 85 | Carbonate coprecipitation synthesis of Sr- and Mg-doped LaGaO3. Materials Letters, 2009, 63, 1892-1894. | 2.6 | 16 |
| 86 | Photophysical and Electrochemical Properties of Thiopheneâ€Based 2â€Arylpyridines. European Journal of Organic Chemistry, 2011, 2011, 5587-5598. | 2.4 | 16 |
| 87 | Dye-sensitized solar cells containing plasma jet deposited hierarchically nanostructured TiO2 thin photoanodes. Journal of Materials Chemistry A, 2013, 1, 11665. | 10.3 | 16 |
| 88 | Open circuit voltage tuning through molecular design in hydrazone end capped donors for bulk heterojunction solar cells. Journal of Materials Chemistry A, 2013, 1, 2631. | 10.3 | 16 |
| 89 | Thermally Regenerable Redox Flow Battery. ChemSusChem, 2020, 13, 5460-5467. | 6.8 | 16 |
| 90 | Na 3 V 2 (PO 4 ) 3 â€Supported Electrospun Carbon Nanofiber Nonwoven Fabric as Selfâ€Standing Naâ€Ion Cell Cathode. ChemElectroChem, 2020, 7, 1652-1659. | 3.4 | 16 |

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| 91 | Thermally Regenerable Redox Flow Battery for Exploiting Low-Temperature Heat Sources. Cell Reports Physical Science, 2020, 1, 100056. | 5.6 | 16 |
| 92 | Circular Economy and the Fate of Lithium Batteries: Second Life and Recycling. Advanced Energy and Sustainability Research, 2021, 2, 2100047. | 5.8 | 16 |
| 93 | Electrical behaviour of LSGMâ€“LSM composite cathode materials. Solid State Ionics, 2006, 177, 1991-1996. | 2.7 | 14 |
| 94 | Molecular Level Factors Affecting the Efficiency of Organic Chromophores for p-Type Dye Sensitized Solar Cells. Energies, 2016, 9, 33. | 3.1 | 14 |
| 95 | Exomethylene-3,4-ethylenedioxythiophene (emEDOT): A New Versatile Building Block for Functionalized Electropolymerized Poly(3,4-ethylenedioxythiophenes) (PEDOTs). Organic Letters, 2013, 15, 3502-3505. | 4.6 | 13 |
| 96 | Red phosphorus decorated electrospun carbon anodes for high efficiency lithium ion batteries. Scientific Reports, 2020, 10, 13233. | 3.3 | 13 |
| 97 | Anharmonic motionsversusdynamic disorder at the Mg ion from the charge densities in pyrope (Mg<sub>3</sub>Al<sub>2</sub>Si<sub>3</sub>O<sub>12</sub>) crystals at 30â€…K: six of one, half a dozen of the other. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 722-736. | 1.1 | 12 |
| 98 | Comparative life cycle assessment of Fe2O3-based fibers as anode materials for sodium-ion batteries. Environment, Development and Sustainability, 2021, 23, 6786-6799. | 5.0 | 12 |
| 99 | Algae-derived hard carbon anodes for Na-ion batteries. Journal of Applied Electrochemistry, 2021, 51, 1665-1673. | 2.9 | 12 |
| 100 | First demonstration of the use of open-shell derivatives as organic luminophores for transparent luminescent solar concentrators. Materials Advances, 2021, 2, 7369-7378. | 5.4 | 12 |
| 101 | Design of high-performance antimony/MXene hybrid electrodes for sodium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 10569-10585. | 10.3 | 12 |
| 102 | The system Al2O3 and (Sr,Mg)-doped LaGaO3: phase composition and electrical properties. Solid State Ionics, 2005, 176, 81-88. | 2.7 | 11 |
| 103 | Solâ€“gel derived mesoporous Pt and Cr-doped WO3 thin films: the role played by mesoporosity and metal doping in enhancing the gas sensing properties. Journal of Sol-Gel Science and Technology, 2011, 60, 378-387. | 2.4 | 11 |
| 104 | Optimizing operating conditions and electrochemical characterization of glucoseâ€“gluconate alkaline fuel cells. Journal of Power Sources, 2011, 196, 1273-1278. | 7.8 | 11 |
| 105 | A new double layer super-capacitor made by free-standing activated carbon membranes and highly concentrated potassium acetate solutions. Electrochimica Acta, 2020, 364, 137323. | 5.2 | 11 |
| 106 | Physicochemical properties of Pyr13TFSI-NaTFSI electrolyte for sodium batteries. Electrochimica Acta, 2022, 412, 140123. | 5.2 | 11 |
| 107 | Vinylene-linked pyridine-pyrrole donorâ€“acceptor conjugated polymers. Synthetic Metals, 2011, 161, 763-769. | 3.9 | 10 |
| 108 | Effect of Hematite Doping with Aliovalent Impurities on the Electrochemical Performance of Î±-Fe2O3@rGO-Based Anodes in Sodium-Ion Batteries. Nanomaterials, 2020, 10, 1588. | 4.1 | 10 |

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| 109 | A new method and tool for detection and quantification of PM oxidative potential. Environmental Science and Pollution Research, 2015, 22, 12469-12478. | 5.3 | 9 |
| 110 | FeTiO 3 as Anode Material for Sodiumâ€Ion Batteries: from Morphology Control to Decomposition. ChemElectroChem, 2020, 7, 1713-1722. | 3.4 | 9 |
| 111 | Cycling properties of Na3V2(PO4)2F3 as positive material for sodium-ion batteries. Ionics, 2021, 27, 1853-1860. | 2.4 | 9 |
| 112 | Analysis of the electrical behaviour of conductor/insulator composites using effective medium theories. Journal of the European Ceramic Society, 2002, 22, 1645-1652. | 5.7 | 8 |
| 113 | Electrochemical and Spectroelectrochemical Properties of a New Donorâ€“Acceptor Polymer Containing 3,4-Dialkoxythiophene and 2,1,3-Benzothiadiazole Units. Polymers, 2013, 5, 1068-1080. | 4.5 | 8 |
| 114 | Treatment with ROS detoxifying gold quantum clusters alleviates the functional decline in a mouse model of Friedreich ataxia. Science Translational Medicine, 2021, 13, . | 12.4 | 7 |
| 115 | Synthesis and Characterization of Squaraineâ€Based Photocrosslinkable Resists for Bulk Heterojunction Solar Cells. European Journal of Organic Chemistry, 2016, 2016, 4032-4040. | 2.4 | 6 |
| 116 | A novel layered lithium niobium titanate as battery anode material: Crystal structure and charge-discharge properties. Solid State Ionics, 2016, 295, 72-77. | 2.7 | 6 |
| 117 | Synthesis and characterization of Fe2O3 /reduced graphene oxide nanocomposite as a high-performance anode material for sodium-ion batteries. Modelling, Measurement and Control B: Solid and Fluid Mechanics and Thermics, Mechanical Systems, 2018, 87, 129-134. | 0.4 | 6 |
| 118 | Composite solid-state electrolyte based on hybrid poly(ethylene glycol)-silica fillers enabling long-life lithium metal batteries. Electrochimica Acta, 2022, 411, 140060. | 5.2 | 6 |
| 119 | Investigation of redox activity in the napthalenediimide-poly(3,4-ethylenedioxythiophene) cross-linked polymers. Electrochimica Acta, 2014, 140, 152-159. | 5.2 | 5 |
| 120 | Diketopyrrolopyrrole latent pigment-based bilayer solar cells. Organic Photonics and Photovoltaics, 2018, 6, 8-16. | 1.3 | 5 |
| 121 | Preparation of Naphthalene Dianhydride Bithiophene Copolymers by Direct Arylation Polycondensation and the Latent Pigment Approach. ChemPlusChem, 2019, 84, 1346-1352. | 2.8 | 5 |
| 122 | Fluorine substituted non-symmetric phenazines: a new synthetic protocol from polyfluorinated azobenzenes. Arkivoc, 2020, 2019, 340-351. | 0.5 | 5 |
| 123 | Effect of Germanium Incorporation on the Electrochemical Performance of Electrospun Fe2O3 Nanofibers-Based Anodes in Sodium-Ion Batteries. Applied Sciences (Switzerland), 2021, 11, 1483. | 2.5 | 5 |
| 124 | Structural and electrical characterization of the NASICON-type Li2FeZr(PO4)3 and Li2FeTi(PO4)3 compounds. Ionics, 2001, 7, 105-108. | 2.4 | 4 |
| 125 | Role played by chain length and polarity of n-substitutents in electrochromic polymers from the tri-heterocyclic monomer pyrrole-thiophene-pyrrole. Solar Energy Materials and Solar Cells, 2012, 99, 101-108. | 6.2 | 4 |
| 126 | Epitaxial InN/InGaN quantum dots on Si: Clâ^'anion selectivity and pseudocapacitor behavior. Applied Physics Express, 2016, 9, 081004. | 2.4 | 3 |

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|---|---|---|---|
| 127 | Algae Derived Electrodes for Rechargeable Na-Ion Batteries: Materials Characterization and Electrochemical Performances. ECS Transactions, 2017, 80, 349-355. | 0.5 | 3 |
| 128 | An efficient Buchwaldâ€“Hartwig amination protocol enables the synthesis of new branched and polymeric hole transport materials for perovskite solar cells. Energy Advances, 0, , . | 3.3 | 3 |
| 129 | Impedance investigation on porous Sr-doped LaMnO3 films onto Sr-Mg-doped LaGaO3 electrolyte. Ionics, 2008, 14, 107-111. | 2.4 | 2 |
| 130 | Modulation of charge transport properties in poly(3,4-ethylenedioxythiophene) nanocomposites for thermoelectric applications. Journal Physics D: Applied Physics, 2018, 51, 034002. | 2.8 | 2 |
| 131 | IS Î±-Al2O3/ La0.8Sr0.2Ga0.8Mg0.2O3â€“Î´ really a new ionic conductor composite?really a new ionic conductor composite?. Ionics, 2005, 11, 29-35. | 2.4 | 1 |
| 132 | An Integrated Theoretical/Experimental Study of Quinolinicâ€“Isoquinolinic Derivatives Acting as Reversible Electrochromes. Materials, 2017, 10, 802. | 2.9 | 1 |
| 133 | Using the electron spin resonance to detect the functional centers in materials for sensor devices. Ionics, 2021, 27, 1839-1851. | 2.4 | 1 |
| 134 | From Small Metal Clusters to Molecular Nanoarchitectures with a Coreâ€“Shell Structure: The Synthesis, Redox Fingerprint, Theoretical Analysis, and Solid-State Structure of [Co<sub>38</sub>As<sub>12</sub>(CO)<sub>50</sub>]<sup>4â€“</sup>. Inorganic Chemistry, 0, , . | 4.0 | 1 |
| 135 | Sensing Mechanism of NO in Nanocrystalline Ru, Pt, Pd-Doped SnO2: Electron Paramagnetic Resonance, MÃ¶ssbauer and Electrical Study. Materials Research Society Symposia Proceedings, 2004, 828, 185. | 0.1 | 0 |
| 136 | Electrical Characterization of LSGM Electrolytes Synthesized via Co-precipitation Route. ECS Transactions, 2009, 25, 1729-1736. | 0.5 | 0 |
| 137 | Preparation of Naphthalene Dianhydride Bithiophene Copolymers by Direct Arylation Polycondensation and the Latent Pigment Approach. ChemPlusChem, 2019, 84, 1176-1176. | 2.8 | 0 |
| 138 | The Importance of Interphases in Energy Storage Devices: Methods and Strategies to Investigate and Control Interfacial Processes. Physchem, 2021, 1, 26-44. | 1.1 | 0 |
| 139 | In memoriamâ€”Claudio Maria Mari (1947â€“2020). Ionics, 2021, 27, 1837-1838. | 2.4 | 0 |
| 140 | Low dye content efficient dye-sensitized solar cells using carbon doped-titania paste from convenient green synthetic process. Inorganica Chimica Acta, 2021, 525, 120487. | 2.4 | 0 |
| 141 | Pt-SnO2 THIN FILMS BY SIMULTANEOUS GELATION OF TETRA(TERT-BUTOXY)TIN(IV) AND BIS(ACETYLACETONATO)PLATINUM(II) PRECURSORS: SPECTROSCOPIC AND ELECTRICAL CHARACTERIZATION. , 2000, , . | | 0 |