# Francesca Parenti

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 46 papers | 1,079 citations | 361413 20 h-index | 414414 32 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 1742 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tuning Anisotropy Barriers in a Family of Tetrairon(III) Single-Molecule Magnets with anS= 5 Ground State. Journal of the American Chemical Society, 2006, 128, 4742-4755. | 13.7 | 205 |
| 2 | Quantum dynamics of a single molecule magnet on superconducting Pb(111). Nature Materials, 2020, 19, 546-551. | 27.5 | 62 |
| 3 | Synthesis and Spectroscopic and Electrochemical Characterisation of a Conducting Polythiophene Bearing a Chirali²-Substituent: Polymerisation of (+)-4,4â€²-Bis[(S)-2-methylbutylsulfanyl]-2,2â€²-bithiophene. Chemistry - A European Journal, 2001, 7, 676-685. | 3.3 | 60 |
| 4 | New Singleâ€Molecule Magnets by Siteâ€Specific Substitution: Incorporation of â€œAlligator Clipsâ€•into Fe<sub>4</sub> Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 4145-4152. | 2.0 | 50 |
| 5 | New One-Step Thiol Functionalization Procedure for Ni by Self-Assembled Monolayers. Langmuir, 2015, 31, 3546-3552. | 3.5 | 42 |
| 6 | Enhanced Hydrogen Production with Chiral Conductive Polymer-Based Electrodes. Journal of Physical Chemistry C, 2017, 121, 15777-15783. | 3.1 | 40 |
| 7 | Electrostatic layer-by-layer construction and characterization of photoelectrochemical solar cells based on water soluble polythiophenes and carbon nanotubes. Journal of Materials Chemistry, 2009, 19, 4319. | 6.7 | 39 |
| 8 | Citron and lemon under the lens of HR-MAS NMR spectroscopy. Food Chemistry, 2013, 141, 3167-3176. | 8.2 | 37 |
| 9 | Î-Stacking Signature in NMR Solution Spectra of Thiophene-Based Conjugated Polymers. ACS Omega, 2017, 2, 5775-5784. | 3.5 | 35 |
| 10 | Ex vivo HR-MAS MRS of human meningiomas: a comparison with in vivo 1H MR spectra. International Journal of Molecular Medicine, 2006, 18, 859-69. | 4.0 | 32 |
| 11 | Experimental and Theoretical Study of the p- and n-Doped States of Alkylsulfanyl Octithiophenes. Journal of Physical Chemistry B, 2010, 114, 8585-8592. | 2.6 | 31 |
| 12 | Potent Anti-Cancer Properties of Phthalimide-Based Curcumin Derivatives on Prostate Tumor Cells. International Journal of Molecular Sciences, 2019, 20, 28. | 4.1 | 31 |
| 13 | A novel copolymer from benzodithiophene and alkylsulfanyl-bithiophene: Synthesis, characterization and application in polymer solar cells. Solar Energy Materials and Solar Cells, 2012, 104, 45-52. | 6.2 | 30 |
| 14 | Differential Pulse Techniques on Modified Conventional-Size and Microelectrodes. Electroactivity of Poly[4,4â€²-bis(butylsulfanyl)-2,2â€²-bithiophene] Coating Towards Dopamine and Ascorbic Acid Oxidation. Electroanalysis, 2003, 15, 715-725. | 2.9 | 29 |
| 15 | HR-MAS NMR spectroscopy in the characterization of human tissues: Application to healthy gastric mucosa. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2006, 28A, 430-443. | 0.5 | 29 |
| 16 | Radical Ions from 3,3â€²â€²â€²,3â€²â€²â€²â€²-Tris(butylsulfanyl)-2,2â€²:5â€²,2â€³:5â€³,2â€²â€²â€²,5â€²â€²â€²â€²,2â€²â€²â€²â€²â€²:5â€ Theoretical Study of the p- and n-Doped Oligomer. ChemPhysChem, 2003, 4, 1216-1225. | 2.1 | 28 |
| 17 | Low band gap polymers for application in solar cells: synthesis and characterization of thienothieneâ€“thiophene copolymers. Polymer Chemistry, 2014, 5, 2391. | 3.9 | 25 |
| 18 | Polymerization of cysteine functionalized thiophenes. Polymer, 2005, 46, 3588-3596. | 3.8 | 23 |

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|---|---|---|---|
| 19 | Organic- and Water-Soluble Aminoalkylsulfanyl Polythiophenes. Macromolecules, 2008, 41, 3785-3792. | 4.8 | 22 |
| 20 | Crocus sativus Petals: Waste or Valuable Resource? The Answer of High-Resolution and High-Resolution Magic Angle Spinning Nuclear Magnetic Resonance. Journal of Agricultural and Food Chemistry, 2015, 63, 8439-8444. | 5.2 | 21 |
| 21 | One-Pot Synthesis of Symmetric Octithiophenes from Asymmetric Î²-Alkylsulfanyl Bithiophenes. Macromolecules, 2006, 39, 8293-8302. | 4.8 | 18 |
| 22 | A Self-Assembling Polythiophene Functionalised with a Cysteine Moiety. Macromolecular Rapid Communications, 2003, 24, 547-550. | 3.9 | 17 |
| 23 | A poly(alkylsulfany)thiophene functionalized with carboxylic groups. Polymer, 2006, 47, 775-784. | 3.8 | 15 |
| 24 | (Alkylsulfanyl)bithiopheneâ€altâ€Fluorene: Ï€â€Conjugated Polymers for Organic Solar Cells. European Journal of Organic Chemistry, 2011, 2011, 5659-5667. | 2.4 | 15 |
| 25 | A nanogapâ€“array platform for testing the optically modulated conduction of goldâ€“octithiopheneâ€“gold junctions for molecular optoelectronics. RSC Advances, 2012, 2, 10985. | 3.6 | 14 |
| 26 | Functionalization of glassy carbon surface by means of aliphatic and aromatic amino acids. An experimental and theoretical integrated approach. Electrochimica Acta, 2012, 75, 49-55. | 5.2 | 12 |
| 27 | Aggregation behaviour of a water-soluble ammonium-functionalized polythiophene: Luminescence enhancement induced by bile-acid anions. Polymer, 2012, 53, 403-410. | 3.8 | 12 |
| 28 | Mycosporine-like Amino Acids and Other Phytochemicals Directly Detected by High-Resolution NMR on Klamath (Aphanizomenon flos-aquae) Blue-Green Algae. Journal of Agricultural and Food Chemistry, 2016, 64, 6708-6715. | 5.2 | 11 |
| 29 | Electrochemically assisted grafting of asymmetric alkynyl(aryl)iodonium salts on glassy carbon with focus on the alkynyl/aryl grafting ratio. Journal of Electroanalytical Chemistry, 2013, 710, 41-47. | 3.8 | 10 |
| 30 | Copper-catalyzed ARGET ATRP of styrene from ethyl Î±-haloisobutyrate in EtOAc/EtOH, using ascorbic acid/Na2CO3 as reducing system. European Polymer Journal, 2021, 157, 110675. | 5.4 | 10 |
| 31 | On the Recovery of3JH,H and the Reduction of Molecular Symmetry by Simple NMR Inverse Detection Experiments. European Journal of Organic Chemistry, 2002, 2002, 938-940. | 2.4 | 8 |
| 32 | The effect of Pd(ii) coordination on the properties of an alkylsulfanyl substituted polythiophene. Comparison with the corresponding monomer. Journal of Materials Chemistry, 2003, 13, 1287. | 6.7 | 8 |
| 33 | Poly[3-hexyl-4-(6-bromohexyl)thiophene]: a key-intermediate for the synthesis of self-plastifying multifunctional polythiophenes. Polymer, 2004, 45, 8629-8637. | 3.8 | 7 |
| 34 | Optoelectronic Properties of Aâ€Ïâ€Dâ€Ïâ€A Thiopheneâ€Based Materials with a Dithienosilole Core: An Experimental and Theoretical Study. ChemPlusChem, 2019, 84, 1314-1323. | 2.8 | 7 |
| 35 | Palladium(II) derivatives of alkylsulfanyl substituted thiophenes as precursors of inorganic polymers: Spectroscopic, electrochemical investigations and X-ray crystal structure of trans-PdCl2[3-(butylsulfanyl)thiophene]2. Inorganica Chimica Acta, 2005, 358, 3033-3040. | 2.4 | 6 |
| 36 | Strategies to reduce inter-chain aggregation and fluorescence quenching in alternated multilayers of a polythiophene. Thin Solid Films, 2008, 516, 8731-8735. | 1.8 | 6 |

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|---|---|---|---|
| 37 | Copper-Catalysed â€œActivators Regenerated by Electron Transferâ€•â€œAtom Transfer Radical Polymerisationâ€•of Styrene from a Bifunctional Initiator in Ethyl Acetate/Ethanol, Using Ascorbic Acid/Sodium Carbonate as Reducing System. Macromolecular Research, 2020, 28, 751-761. | 2.4 | 6 |
| 38 | Unusual Cross-Linked Polystyrene by Copper-Catalyzed ARGET ATRP Using a Bifunctional Initiator and No Cross-Linking Agent. Macromolecular Research, 2021, 29, 280-288. | 2.4 | 6 |
| 39 | Polymers for application in organic solar cells: Bithiophene can work better than thienothiophene when coupled to benzodithiophene. Journal of Polymer Science Part A, 2016, 54, 1603-1614. | 2.3 | 5 |
| 40 | ARGET ATRP of styrene in EtOAc/EtOH using only Na<sub>2</sub>CO<sub>3</sub> to promote the copper catalyst regeneration. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 376-386. | 2.2 | 5 |
| 41 | Nucleoside 2â€²,3â€²-Cyclic Monophosphates in Aphanizomenon flos-aquae Detected through Nuclear Magnetic Resonance and Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2019, 67, 12780-12785. | 5.2 | 3 |
| 42 | An Ab-Initio Theoretical Study of the Electrochemical Grafting Process of Alkynil(aryl)iodonium Salts on Glassy Carbon Surfaces. AIP Conference Proceedings, 2007, , . | 0.4 | 2 |
| 43 | Regiochemistry in the electrochemical assisted grafting of glassy carbon. With focus on sterical hindrance of lateral chains in the electroreduction process of multi-functionalized bithiophene. Journal of Electroanalytical Chemistry, 2013, 710, 70-75. | 3.8 | 2 |
| 44 | Polymers with Alkylsulfanyl Side Chains for Bulk Heterojunction Solar Cells: Toward a Greener Strategy. Macromolecular Chemistry and Physics, 2017, 218, 1700111. | 2.2 | 2 |
| 45 | Octithiophenes via One-Pot Oxidative Coupling of 4-(Ï‰-Functionalized Alkylsulfanyl)-2,2â€²-Bithiophenes. Synthesis, 2010, 2010, 1659-1665. | 2.3 | 1 |
| 46 | Chiral Polythiophenes. , 2017, , 277-297. | | 0 |