

Cosimino Malitesta

List of Publications by Year in descending order

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154
papers

5,423
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69
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161
all docs

161
docs citations

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times ranked

6523
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Glucose fast-response amperometric sensor based on glucose oxidase immobilized in an electropolymerized poly(o-phenylenediamine) film. <i>Analytical Chemistry</i> , 1990, 62, 2735-2740. | 3.2 | 559 |
| 2 | Molecularly Imprinted Electrosynthesized Polymers: A New Materials for Biomimetic Sensors. <i>Analytical Chemistry</i> , 1999, 71, 1366-1370. | 3.2 | 335 |
| 3 | MIP sensors – the electrochemical approach. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1827-1846. | 1.9 | 315 |
| 4 | New findings on polypyrrole chemical structure by XPS coupled to chemical derivatization labelling. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1995, 76, 629-634. | 0.8 | 231 |
| 5 | A new amperometric nanostructured sensor for the analytical determination of hydrogen peroxide. <i>Biosensors and Bioelectronics</i> , 2008, 24, 1057-1063. | 5.3 | 197 |
| 6 | An x-ray photoelectron spectroscopic study of some chromium-oxygen systems. <i>Surface and Interface Analysis</i> , 1988, 13, 173-179. | 0.8 | 193 |
| 7 | Correlation between Permselectivity and Chemical Structure of Overoxidized Polypyrrole Membranes Used in Electroproduced Enzyme Biosensors. <i>Analytical Chemistry</i> , 1995, 67, 2207-2211. | 3.2 | 147 |
| 8 | A rapid and simple method for the determination of 3,4-dihydroxyphenylacetic acid, norepinephrine, dopamine, and serotonin in mouse brain homogenate by HPLC with fluorimetric detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 98, 266-270. | 1.4 | 135 |
| 9 | A magnetic and highly reusable macroporous superhydrophobic/superoleophilic PDMS/MWNT nanocomposite for oil sorption from water. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17685-17696. | 5.2 | 128 |
| 10 | Development of a sensor prepared by entrapment of MIP particles in electrosynthesised polymer films for electrochemical detection of ephedrine. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1152-1156. | 5.3 | 115 |
| 11 | A novel nonenzymatic amperometric hydrogen peroxide sensor based on CuO@Cu ₂ O nanowires embedded into poly(vinyl alcohol). <i>Talanta</i> , 2016, 147, 124-131. | 2.9 | 105 |
| 12 | Inhibitive determination of metal ions by an amperometric glucose oxidase biosensor. <i>Sensors and Actuators B: Chemical</i> , 2008, 131, 394-402. | 4.0 | 97 |
| 13 | Heavy metal determination by biosensors based on enzyme immobilised by electropolymerisation. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1643-1647. | 5.3 | 96 |
| 14 | Interference-free glucose sensor based on glucose-oxidase immobilized in an overoxidized non-conducting polypyrrole film. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 342, 729-733. | 1.5 | 92 |
| 15 | TRMC, XPS, and EPR Characterizations of Polycrystalline TiO ₂ Porphyrin Impregnated Powders and Their Catalytic Activity for 4-Nitrophenol Photodegradation in Aqueous Suspension. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12347-12352. | 1.2 | 87 |
| 16 | Direct electrochemical detection of bisphenol A at PEDOT-modified glassy carbon electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3587-3592. | 1.9 | 81 |
| 17 | XPS in development of chemical sensors. <i>RSC Advances</i> , 2015, 5, 83164-83186. | 1.7 | 80 |
| 18 | Spectroscopic investigation on polymer films obtained by oxidation of o-phenylenediamine on platinum electrodes at different pHs. <i>Journal of Materials Chemistry</i> , 2001, 11, 1812-1817. | 6.7 | 77 |

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|----|---|-----|-----------|
| 19 | Investigation of polydopamine coatings by X-ray Photoelectron Spectroscopy as an effective tool for improving biomolecule conjugation. <i>Applied Surface Science</i> , 2018, 447, 31-39. | 3.1 | 77 |
| 20 | Solid-phase synthesis of electroactive nanoparticles of molecularly imprinted polymers. A novel platform for indirect electrochemical sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 174-180. | 4.0 | 73 |
| 21 | Preparation and characterization of molecularly imprinted mussel inspired film as antifouling and selective layer for electrochemical detection of sulfamethoxazole. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3374-3383. | 4.0 | 71 |
| 22 | Permeation of solutes through an electropolymerized ultrathin poly-o-phenylenediamine film used as an enzyme-entrapping membrane. <i>Electroanalysis</i> , 1994, 6, 423-429. | 1.5 | 66 |
| 23 | Potentiometric urea biosensor based on urease immobilized by an electrosynthesized poly(o-phenylenediamine) film with buffering capability. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 211-215. | 4.0 | 61 |
| 24 | An innovative, fast and facile soft-template approach for the fabrication of porous PDMS for water separation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23785-23793. | 5.2 | 59 |
| 25 | Magnetic MWCNTs-dendrimer: A potential modifier for electrochemical evaluation of As (III) ions in real water samples. <i>Journal of Electroanalytical Chemistry</i> , 2021, 888, 115059. | 1.9 | 54 |
| 26 | Humic acid coated magnetic particles as highly efficient heterogeneous photo-Fenton materials for wastewater treatments. <i>Chemical Engineering Journal</i> , 2020, 390, 124619. | 6.6 | 49 |
| 27 | Low-potential sensitive H ₂ O ₂ detection based on composite micro tubular Te adsorbed on platinum electrode. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3562-3569. | 5.3 | 48 |
| 28 | Electrosynthesised thin polymer films: the role of XPS in the design of application oriented innovative materials. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 100, 35-53. | 0.8 | 47 |
| 29 | Sensor based on electrosynthesised imprinted polymeric film for rapid and trace detection of copper(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127648. | 4.0 | 46 |
| 30 | Ag nanoparticles capped by a nontoxic polymer: Electrochemical and spectroscopic characterization of a novel nanomaterial for glucose detection. <i>Materials Science and Engineering C</i> , 2011, 31, 606-611. | 3.8 | 45 |
| 31 | Conducting polymer electrodes modified by metallic species for electrocatalytic purposes—spectroscopic and microscopic characterization. <i>Materials Chemistry and Physics</i> , 1996, 44, 17-24. | 2.0 | 42 |
| 32 | X-Ray Photoelectron Spectroscopy characterization of electrosynthesized poly(3-thiophene acetic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3705-3709. | 0.8 | 42 |
| 33 | Amperometric non-enzymatic bimetallic glucose sensor based on platinum tellurium microtubes modified electrode. <i>Electrochemistry Communications</i> , 2012, 22, 45-48. | 2.3 | 41 |
| 34 | X-ray photoelectron spectroscopy characterization of poly(2,3-diaminophenazine) films electrosynthesised on platinum. <i>Thin Solid Films</i> , 2005, 473, 104-113. | 0.8 | 40 |
| 35 | Electrochemical detection of the toxic organohalide 2,4-DB using a Co-porphyrin based electrosynthesized molecularly imprinted polymer. <i>Sensors and Actuators B: Chemical</i> , 2010, 148, 186-194. | 4.0 | 39 |
| 36 | Electrosynthesis of molecularly imprinted polypyrrole for the antibiotic levofloxacin. <i>Thin Solid Films</i> , 2012, 520, 1938-1943. | 0.8 | 39 |

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|----|--|-----|-----------|
| 37 | Te oxide nanowires as advanced materials for amperometric nonenzymatic hydrogen peroxide sensing. <i>Talanta</i> , 2013, 115, 863-869. | 2.9 | 39 |
| 38 | X-ray photoelectron spectroscopy of reduced graphene oxide prepared by a novel green method. <i>Vacuum</i> , 2015, 119, 159-162. | 1.6 | 39 |
| 39 | Piezoelectric sensor functionalised by a self-assembled bipyridinium derivative: characterisation and preliminary applications in the detection of heavy metal ions. <i>Biosensors and Bioelectronics</i> , 2004, 20, 1190-1195. | 5.3 | 37 |
| 40 | Mediator-free amperometric glucose biosensor based on glucose oxidase entrapped in poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.7 | 36 |
| 41 | Carbonaceous PM10 and PM2.5 and secondary organic aerosol in a coastal rural site near Brindisi (Southern Italy). <i>Environmental Science and Pollution Research</i> , 2018, 25, 23929-23945. | 2.7 | 36 |
| 42 | Intracellular Antioxidant Activity of Biocompatible Citrate-Capped Palladium Nanozymes. <i>Nanomaterials</i> , 2020, 10, 99. | 1.9 | 36 |
| 43 | An innovative and simple all electrochemical approach to functionalize electrodes with a carbon nanotubes/polypyrrole molecularly imprinted nanocomposite and its application for sulfamethoxazole analysis. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 676-685. | 5.0 | 36 |
| 44 | Molecularly Imprinted Polyscopoletin for the Electrochemical Detection of the Chronic Disease Marker Lysozyme. <i>Biosensors</i> , 2021, 11, 3. | 2.3 | 35 |
| 45 | Analytical characterization of electrode surface by X-ray photoelectron spectroscopy. \hat{I}^2 -PbO ₂ -based cathode in voltage-compatible lithium cells. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989, 85, 1685. | 1.0 | 33 |
| 46 | A comparison of some asymmetrical line shapes for XPS data analysis. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1989, 49, 247-261. | 0.8 | 31 |
| 47 | New insights from X-ray photoelectron spectroscopy into the chemistry of covalent enzyme immobilization, with glutamate dehydrogenase (GDH) on silicon dioxide as an example. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 146-152. | 1.9 | 31 |
| 48 | Response Surface Methodology for the Optimisation of Electrochemical Biosensors for Heavy Metals Detection. <i>Biosensors</i> , 2019, 9, 26. | 2.3 | 31 |
| 49 | Electrochemical immobilisation of enzymes on conducting organic salt electrodes: characterisation of an oxygen independent and interference-free glucose biosensor. <i>Journal of Electroanalytical Chemistry</i> , 1997, 435, 103-111. | 1.9 | 29 |
| 50 | Electroanalytical/X-ray photoelectron spectroscopy investigation on glucose oxidase adsorbed on platinum. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 1495. | 1.7 | 28 |
| 51 | Bare Platinum Nanoparticles Deposited on Glassy Carbon Electrodes for Electrocatalytic Detection of Hydrogen Peroxide. <i>ACS Applied Nano Materials</i> , 2021, 4, 7650-7662. | 2.4 | 27 |
| 52 | Evaluation of electrochemically synthesized sulfadimethoxine-imprinted polymer for solid-phase microextraction of sulfonamides. <i>Journal of Molecular Recognition</i> , 2014, 27, 415-420. | 1.1 | 25 |
| 53 | Functional magneto-plasmonic biosensors transducers: Modelling and nanoscale analysis. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 100-112. | 4.0 | 25 |
| 54 | An Innovative Porous Nanocomposite Material for the Removal of Phenolic Compounds from Aqueous Solutions. <i>Nanomaterials</i> , 2018, 8, 334. | 1.9 | 24 |

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|----|---|-----|-----------|
| 55 | From Electrochemical Biosensors to Biomimetic Sensors Based on Molecularly Imprinted Polymers in Environmental Determination of Heavy Metals. <i>Frontiers in Chemistry</i> , 2017, 5, 47. | 1.8 | 23 |
| 56 | Bio-propylene glycol as value-added product from Epicerol [®] process. <i>Sustainable Chemistry and Pharmacy</i> , 2017, 6, 10-13. | 1.6 | 22 |
| 57 | An Insight into Chemistry and Structure of Colloidal 2D-WS ₂ Nanoflakes: Combined XPS and XRD Study. <i>Nanomaterials</i> , 2021, 11, 1969. | 1.9 | 22 |
| 58 | Intercomparison of algorithms for background correction in XPS. <i>Surface and Interface Analysis</i> , 1995, 23, 484-494. | 0.8 | 21 |
| 59 | Applicability of chemical derivatization " X-ray photoelectron spectroscopy (CD"XPS) to the characterization of complex matrices: case of electrosynthesized polypyrroles. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 97, 199-208. | 0.8 | 21 |
| 60 | An integrated study of the chemical composition of Antarctic aerosol to investigate natural and anthropogenic sources. <i>Environmental Chemistry</i> , 2016, 13, 867. | 0.7 | 21 |
| 61 | All-electrochemical approach for the assembly of platinum nanoparticles/polypyrrole nanowire composite with electrocatalytic effect on dopamine oxidation. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3495-3504. | 1.2 | 21 |
| 62 | Sputtering-Enabled Intracellular X-ray Photoelectron Spectroscopy: A Versatile Method To Analyze the Biological Fate of Metal Nanoparticles. <i>ACS Nano</i> , 2018, 12, 7731-7740. | 7.3 | 21 |
| 63 | Synthesis and Application of Ion"Imprinted Nanoparticles in Electrochemical Sensors for Copper (II) Determination. <i>ChemNanoMat</i> , 2019, 5, 754-760. | 1.5 | 20 |
| 64 | Electrochemical lithiation of Pb ₃ O ₄ . <i>Journal of Power Sources</i> , 1991, 34, 353-367. | 4.0 | 19 |
| 65 | Nonhydrolytic Route to Boron" Doped TiO ₂ Nanocrystals. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 364-374. | 1.0 | 19 |
| 66 | UV Reduced Graphene Oxide PEDOT:PSS Nanocomposite for Perovskite Solar Cells. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 725-730. | 1.1 | 19 |
| 67 | XPS investigation of titanium in melanites from Monte Vulture (Italy). <i>European Journal of Mineralogy</i> , 1995, 7, 847-858. | 0.4 | 19 |
| 68 | Electrochemical sensing of macromolecules based on molecularly imprinted polymers: challenges, successful strategies, and opportunities. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5165-5200. | 1.9 | 19 |
| 69 | Highly conformal growth of microstructured polypyrrole films by electrosynthesis on micromachined silicon substrates. <i>Electrochemistry Communications</i> , 2012, 14, 1-4. | 2.3 | 18 |
| 70 | Room temperature facile synthesis of CuO nanostructures by resistive heating. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 60, 59-64. | 1.3 | 18 |
| 71 | Maghemite Nanoparticles with Enhanced Magnetic Properties: One-Pot Preparation and Ultrastable Dextran Shell. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20271-20280. | 4.0 | 18 |
| 72 | Easy fabrication of mussel inspired coated foam and its optimization for the facile removal of copper from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 401-411. | 5.0 | 18 |

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|----|---|-----|-----------|
| 73 | Using a natural chlorite as catalyst in chemical recycling of waste plastics: Hydrolytic depolymerization of poly-[bisphenol A carbonate] promoted by clinocllore. <i>Waste Management</i> , 2021, 120, 642-649. | 3.7 | 18 |
| 74 | Analytical X-ray photoelectron spectroscopic investigation of the modification of polybithiophene (pbT) under electrochemical cycling. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990, 86, 3769. | 1.7 | 17 |
| 75 | QCM sensors for aqueous phenols based on active layers constituted by tetrapyrrolic macrocycle Langmuir films. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 1129-1139. | 0.4 | 17 |
| 76 | Development and characterization of a novel bioactive polymer with antibacterial and lysozyme-like activity. <i>Biopolymers</i> , 2014, 101, 461-470. | 1.2 | 17 |
| 77 | Schottky diodes and field-effect transistors based on conjugated thiophenes. <i>Materials Science and Engineering C</i> , 1998, 5, 233-236. | 3.8 | 16 |
| 78 | Copper nanoparticles/poly-3-methylthiophene composite: Synthesis, characterization and catalytic application to enzyme-less glucose detecting. <i>Sensors and Actuators B: Chemical</i> , 2013, 184, 70-77. | 4.0 | 16 |
| 79 | X-Ray photoelectron spectroscopy characterisation of Langmuir-Blodgett films containing TiO ₂ nanoparticles grown by room-temperature hydrolysis of TiO(C ₂ O ₄) ₂ ·2H ₂ O. <i>Thin Solid Films</i> , 2002, 422, 112-119. | 0.8 | 15 |
| 80 | Templateless synthesis of polypyrrole nanowires by non-static solution-surface electropolymerization. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2143-2151. | 1.2 | 15 |
| 81 | Screen-Printed Glucose Oxidase-Based Biosensor for Inhibitive Detection of Heavy Metal Ions in a Flow Injection System. <i>Sensor Letters</i> , 2009, 7, 153-159. | 0.4 | 15 |
| 82 | The chemical and electrochemical lithiation of CuO: An analytical, electron microscopy investigation. <i>Solid State Ionics</i> , 1990, 39, 289-295. | 1.3 | 14 |
| 83 | Surface characterization of anodic titanium dioxide films for photoelectrochemical solar cells. <i>Solar Energy Materials and Solar Cells</i> , 1986, 13, 25-35. | 0.4 | 13 |
| 84 | Photoelectrochemical behaviour and XPS characterization of a (Ti,Al,V)O ₂ film obtained by non-conventional anodic oxidation of a commercial Ti-Al-V alloy. <i>International Journal of Hydrogen Energy</i> , 1987, 12, 219-225. | 3.8 | 13 |
| 85 | Electrochemical immobilization of enzymes on conducting organic salt electrodes: Preparation of an oxygen independent and interference-free glucose biosensor. <i>Journal of Electroanalytical Chemistry</i> , 1995, 381, 235-237. | 1.9 | 13 |
| 86 | Optimization of a new multi-reagent procedure for quantitative mussel digestion in microplastic analysis. <i>Marine Pollution Bulletin</i> , 2021, 173, 112931. | 2.3 | 13 |
| 87 | Nitrosoarene complexes of rhodium(III), iridium(III), copper(I) and mercury(II). Use of XPS in determining the mode of bonding to transition metals. <i>Journal of Organometallic Chemistry</i> , 1989, 378, 239-244. | 0.8 | 12 |
| 88 | Ti and Fe Speciation by X-Ray Photoelectron Spectroscopy(XPS) and Mössbauer Spectroscopy for a Full Crystal Chemical Characterisation of Ti-Garnets from Colli Albani (Italy). <i>Annali Di Chimica</i> , 2004, 94, 185-196. | 0.6 | 12 |
| 89 | Lead oxides as cathode materials for voltage-compatible lithium cells. <i>Journal of Power Sources</i> , 1986, 18, 63-74. | 4.0 | 11 |
| 90 | Electrochemical and Spectroscopic Behavior of Iron(III) Porphyrins in Langmuir-Schaefer Films. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11517-11528. | 1.2 | 11 |

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|-----|---|-----|-----------|
| 91 | Characterization of an electro-synthesized methoxylated polypyrrole film used as permselective barrier in amperometric biosensors by X-ray photoelectron and Fourier transform infrared spectroscopy. <i>Analytica Chimica Acta</i> , 1999, 389, 197-204. | 2.6 | 10 |
| 92 | Facile synthesis of 3D flower-like Pt nanostructures on polypyrrole nanowire matrix for enhanced methanol oxidation. <i>RSC Advances</i> , 2018, 8, 10367-10375. | 1.7 | 10 |
| 93 | NanoMIP-based approach for the suppression of interference signals in electrochemical sensors. <i>Analyst</i> , The, 2019, 144, 7290-7295. | 1.7 | 10 |
| 94 | A Comparison of EIS and QCM NanoMIP-Based Sensors for Morphine. <i>Nanomaterials</i> , 2021, 11, 3360. | 1.9 | 10 |
| 95 | Synthesis of a new substituted zinc phthalocyanine as functional monomer in the preparation of MIPs. <i>Journal of Porphyrins and Phthalocyanines</i> , 2006, 10, 1061-1065. | 0.4 | 9 |
| 96 | Dielectrical performance of high-k yttrium copper titanate thin films for electronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7090-7098. | 1.1 | 9 |
| 97 | HPLC-MS/MS method applied to an untargeted metabolomics approach for the diagnosis of "olive quick decline syndrome". <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 465-473. | 1.9 | 9 |
| 98 | Synthesis of Reduced Graphite Oxide by a Novel Green Process Based on UV Light Irradiation. <i>Science of Advanced Materials</i> , 2015, 7, 2445-2451. | 0.1 | 9 |
| 99 | Characterization of titanium dioxide nanoparticles imprinted for tyrosine by flow field-flow fractionation and spectrofluorimetric analysis. <i>Inorganica Chimica Acta</i> , 2007, 360, 1063-1071. | 1.2 | 8 |
| 100 | The effect of XPS background removing method on the appraisal of Ti and Fe: The case of phlogopites and brookite. <i>American Mineralogist</i> , 2014, 99, 139-148. | 0.9 | 8 |
| 101 | Removal of Phenolic Compounds from Olive Mill Wastewater by a Polydimethylsiloxane/oxMWCNTs Porous Nanocomposite. <i>Water (Switzerland)</i> , 2020, 12, 3471. | 1.2 | 8 |
| 102 | Rectifying behaviour of the polymer/semiconductor heterojunction: pbT(p-type) /TiO2(n-type). <i>Surface Science</i> , 1992, 273, L409-L413. | 0.8 | 7 |
| 103 | Synthesis of a Molecularly Imprinted Polymer for Dioxin. <i>Sensors</i> , 2006, 6, 915-924. | 2.1 | 7 |
| 104 | Insight into the intercalation problem of the Li/CuO cell by analytical electron spectroscopies. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990, 86, 3607. | 1.7 | 6 |
| 105 | Electrosynthesis and analytical characterization of films obtained by oxidation of 2,6-diaminopyridine. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 3515. | 1.7 | 6 |
| 106 | X-ray photoelectron spectroscopy insight into the coordination modes of cyanate in copper(II) complexes. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1991, 53, 213-224. | 0.8 | 6 |
| 107 | High-aspect-ratio conducting polymer microtube synthesis by light-activated electropolymerization on microstructured silicon. <i>Electrochemistry Communications</i> , 2013, 35, 12-16. | 2.3 | 6 |
| 108 | Tools for the Development of Electrochemical Sensors: an EQCM Flow Cell with Flow Focusing. <i>Electroanalysis</i> , 2012, 24, 790-797. | 1.5 | 5 |

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|-----|---|-----|-----------|
| 109 | X-ray photoelectron spectroscopy characterization of aerosol particles in Antarctica. <i>Antarctic Science</i> , 2015, 27, 493-499. | 0.5 | 5 |
| 110 | [18F]F-DOPA synthesis by poly(dimethylsiloxane)-based platforms: thermal aging protocol to reduce chemicals-induced damage. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 143-152. | 4.0 | 5 |
| 111 | Sustainable chitosan-based electrical responsive scaffolds for tissue engineering applications. <i>Sustainable Materials and Technologies</i> , 2021, 28, e00260. | 1.7 | 5 |
| 112 | Analytical characterization by X-ray photoelectron spectroscopy of quaternary chalcogenides for cathodes in lithium cells. <i>Journal of Materials Chemistry</i> , 1991, 1, 259. | 6.7 | 4 |
| 113 | Development and electroanalytical investigation of a novel rectifying semiconductor/polymer interface. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 3183. | 1.7 | 4 |
| 114 | Pristine and Overoxidized Polypyrrole by XPS. <i>Surface Science Spectra</i> , 1994, 3, 375-383. | 0.3 | 4 |
| 115 | Nucleation and growth of copper particles on Pt and Pt/poly-3-methylthiophene modified electrode in presence of Cl ³⁻ complexing agent. <i>Materials Chemistry and Physics</i> , 2012, 131, 719-727. | 2.0 | 4 |
| 116 | Microfluidic Setup for Simultaneous Separation and Electrochemical Determination of Hg ²⁺ and Ag ⁺ Ions in Water. <i>Electroanalysis</i> , 2021, 33, 781-788. | 1.5 | 4 |
| 117 | Preliminary Study on Electrosynthesis of a Co-Porphyrin Based Molecularly Imprinted Polymer for the Selective Detection of the Herbicide 2,4-Dichlorophenoxy Carboxylic Acid. <i>Sensor Letters</i> , 2008, 6, 618-622. | 0.4 | 4 |
| 118 | Redox Profiling of Selected Apulian Red Wines in a Single Minute. <i>Antioxidants</i> , 2022, 11, 859. | 2.2 | 4 |
| 119 | Electrochemically Synthesized Molecularly Imprinted Polymers for Sensing Applications. <i>Lecture Notes in Electrical Engineering</i> , 2011, , 409-413. | 0.3 | 3 |
| 120 | Provenancing of VI th century terra sigillata coming from Matera burial area by X-ray photoelectron spectroscopy. <i>Journal of Cultural Heritage</i> , 2016, 17, 194-197. | 1.5 | 3 |
| 121 | CHAPTER 13. Electrosynthesized Molecularly Imprinted Polymers for Chemosensing: Fundamentals and Applications. <i>RSC Polymer Chemistry Series</i> , 2018, , 412-446. | 0.1 | 3 |
| 122 | Quantitative resolution of X-ray photoelectron spectra of mixtures of chromium compounds by the Kalman filter after cubic spline background removal. <i>Surface and Interface Analysis</i> , 1991, 17, 251-258. | 0.8 | 2 |
| 123 | Copper speciation by analytical electron spectroscopies: Case of the intercalation phase Cu _{0.5} V ₂ O ₅ ·0.5H ₂ O. <i>Surface and Interface Analysis</i> , 1992, 19, 513-518. | 0.8 | 2 |
| 124 | Electrochemical detection of serotonin using polyethylenedioxythiophene and core-shell molecularly imprinted polymer nanoparticles. , 2014, , . | | 2 |
| 125 | Molecularly imprinted polypyrrole for the electrochemical detection of sulfadimethoxine: The effect of imprinting parameters. , 2014, , . | | 2 |
| 126 | Electrochemical sensor for Serotonin based on a composite made of core-shell molecularly imprinted polymer nanoparticles and polyethylenedioxythiophene. , 2015, , . | | 2 |

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|-----|---|-----|-----------|
| 127 | Enzyme-Mimics Molecularly Imprinted Polymers Based on Metal Complexes: Electropolymerization and Electrocatalytic Application. <i>Methods in Molecular Biology</i> , 2021, 2359, 233-240. | 0.4 | 2 |
| 128 | Surface spectroscopic characterization of advanced polymer materials. <i>Mikrochimica Acta</i> , 1991, 104, 237-243. | 2.5 | 1 |
| 129 | A New Potentiometric Urea Biosensor Based on Urease Immobilized in Electrosynthesised Poly(O-Phenylenediamine). <i>Lecture Notes in Electrical Engineering</i> , 2011, , 335-338. | 0.3 | 1 |
| 130 | Microstructuring conducting polymers and molecularly imprinted polymers by light-activated electropolymerization on micromachined silicon. <i>Applications in electrochemical sensing.</i> , 2013, , . | | 1 |
| 131 | 3. Insights from XPS on nanosized inorganic materials. , 0, , . | | 1 |
| 132 | Analytical characterization of silver-nanoparticle antimicrobial coatings for fiordilatte cheese. , 2015, , . | | 1 |
| 133 | Electrochemical and Spectroscopic Characterization of Glucose Oxidase Immobilized in Polyvinyl Alcohol and Applications in Glucose Detection. <i>Lecture Notes in Electrical Engineering</i> , 2011, , 339-343. | 0.3 | 1 |
| 134 | DETECTION OF PHENOLS IN AQUEOUS MEDIA VIA QCM CHEMICAL SENSORS WITH LANGMUIR-BLODGETT ACTIVE LAYERS. , 2004, , . | | 1 |
| 135 | Characterisation of Langmuir-Blodgett films of phthalocyanines employed as recognition layers in phenol QCM sensors. , 2003, , . | | 1 |
| 136 | Microplasticsâ€™ Occurrence in Edible Fish Species (<i>Mullus barbatus</i> and <i>M. surmuletus</i>) from an Italian Marine Protected Area. <i>Microplastics</i> , 2022, 1, 291-302. | 1.6 | 1 |
| 137 | An insight into polyscopoletin electrosynthesis by a quality-by-design approach. <i>Journal of Materials Science</i> , 0, , . | 1.7 | 1 |
| 138 | A multitechnique analytical characterisation of the isomerisation catalyst Ir ₄ (CO) ₁₂ on silica. <i>Materials Chemistry and Physics</i> , 1991, 29, 405-417. | 2.0 | 0 |
| 139 | Quantification in surface analysis. <i>Microchemical Journal</i> , 1992, 46, 340-345. | 2.3 | 0 |
| 140 | Synthesis and Characterization of Imprinted TiO ₂ Nanoparticles: Preliminary results. , 2008, , . | | 0 |
| 141 | Technology, characterization and preliminary sensing application of photoelectrosynthesized polypyrrole on microstructured silicon. , 2011, , . | | 0 |
| 142 | Polymer Nanocomposites based on in situ reduced graphene oxide for photovoltaic applications in innovative hybrid solar cells. , 2015, , . | | 0 |
| 143 | Molecularly Imprinted Overoxidized Polypyrrole as Recognition Element in the Electrochemical Detection of Sulfadimethoxine. <i>Lecture Notes in Electrical Engineering</i> , 2015, , 153-157. | 0.3 | 0 |
| 144 | Advanced materials for improving biosensing performances of propagating and localized plasmonic transducers. <i>Proceedings of SPIE</i> , 2015, , . | 0.8 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | PDMS treated with dichloromethane: swollen weight without underestimation due to the solvent volatility and thermal aging to reduce swelling and morphology damage. , 2017, , . | | 0 |
| 146 | High-k YCTO thin films for electronics. , 2018, , . | | 0 |
| 147 | Organised Colloidal Metal Nanoparticles for LSPR Refractive Index Transducers. Lecture Notes in Electrical Engineering, 2019, , 173-179. | 0.3 | 0 |
| 148 | Development of a Flow Injection QCM system for Environmental Sensing and preliminary application to Determination of Phenols in Water. , 2003, , . | | 0 |
| 149 | Synthesis and selective nucleoside recognition of a new substituted zinc-phthalocyanine. , 2008, , . | | 0 |
| 150 | Spectroscopic Characterisation of TiO ₂ Nanoparticles. Sensor Letters, 2008, 6, 623-626. | 0.4 | 0 |
| 151 | Amperometric Glucose Sensor Based on Glucose Oxidase Immobilized on Conducting Organic Salt Electrode by Poly(o-Phenylenediamine) Film. , 1994, , 14. | | 0 |
| 152 | XPS Investigation of Electrosynthesized Conducting Polymer Nanostructures of Application in Sensors. Preliminary Results. Lecture Notes in Electrical Engineering, 2015, , 165-169. | 0.3 | 0 |
| 153 | Preliminary Study on Electrochemical Ion Imprinted Polymeric Film in Sensor Development for Cd(II) Ions Determination in Water. , 2020, 60, . | | 0 |
| 154 | Development of Electrochemical Sensors Based on Electrosynthesized Imprinted Polymers for Cobalt (Co ²⁺) Ion Determination in Water. , 2022, 16, . | | 0 |