

# Miroslava Trchova

## List of Publications by Citations

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288  
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59  
h-index

102  
g-index

291  
ext. papers

13,891  
ext. citations

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avg. IF

6.51  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 288 | Polyaniline nanostructures and the role of aniline oligomers in their formation. <i>Progress in Polymer Science</i> , <b>2010</b> , 35, 1420-1481   | 29.6 | 606       |
| 287 | Synthesis and structural study of polypyrroles prepared in the presence of surfactants. <i>Synthetic Metals</i> , <b>2003</b> , 138, 447-455  | 3.6  | 511       |
| 286 | Polyaniline: The infrared spectroscopy of conducting polymer nanotubes (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2011</b> , 83, 1803-1817  | 2.1  | 414       |
| 285 | Evolution of polyaniline nanotubes: the oxidation of aniline in water. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 9461-8   | 3.4  | 391       |
| 284 | Oxidation of Aniline: Polyaniline Granules, Nanotubes, and Oligoaniline Microspheres. <i>Macromolecules</i> , <b>2008</b> , 41, 3530-3536   | 5.5  | 324       |
| 283 | Polyaniline and polypyrrole: A comparative study of the preparation. <i>European Polymer Journal</i> , <b>2007</b> , 43, 2331-2341  | 5.2  | 313       |
| 282 | FTIR spectroscopic and conductivity study of the thermal degradation of polyaniline films. <i>Polymer Degradation and Stability</i> , <b>2004</b> , 86, 179-185   | 4.7  | 294       |
| 281 | The genesis of polyaniline nanotubes. <i>Polymer</i> , <b>2006</b> , 47, 8253-8262  | 3.9  | 276       |
| 280 | Multi-wall carbon nanotubes coated with polyaniline. <i>Polymer</i> , <b>2006</b> , 47, 5715-5723   | 3.9  | 267       |
| 279 | Poly(L-lysine)-modified iron oxide nanoparticles for stem cell labeling. <i>Bioconjugate Chemistry</i> , <b>2008</b> , 19, 740-50   | 6.3  | 254       |
| 278 | Polyaniline nanotubes: conditions of formation. <i>Polymer International</i> , <b>2006</b> , 55, 31-39  | 3.3  | 253       |
| 277 | Raman spectroscopy of polyaniline and oligoaniline thin films. <i>Electrochimica Acta</i> , <b>2014</b> , 122, 28-38  | 6.7  | 197       |
| 276 | The chemical oxidative polymerization of aniline in water: Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , <b>2008</b> , 39, 1375-1387   | 2.3  | 190       |
| 275 | Thermal degradation of polyaniline films prepared in solutions of strong and weak acids and in water [FTIR and Raman spectroscopic studies]. <i>Polymer Degradation and Stability</i> , <b>2008</b> , 93, 2147-2157 | 4.7  | 186       |
| 274 | Polyaniline and polypyrrole prepared in the presence of surfactants: a comparative conductivity study. <i>Polymer</i> , <b>2003</b> , 44, 1353-1358   | 3.9  | 185       |
| 273 | The conversion of polyaniline nanotubes to nitrogen-containing carbon nanotubes and their comparison with multi-walled carbon nanotubes. <i>Polymer Degradation and Stability</i> , <b>2009</b> , 94, 929-938       | 4.7  | 151       |
| 272 | The oxidation of aniline with silver nitrate to polyaniline-silver composites. <i>Polymer</i> , <b>2009</b> , 50, 50-56   | 3.9  | 146       |

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| 271 | Polyaniline prepared in the presence of various acids: a conductivity study. <i>Polymer International</i> , <b>2004</b> , 53, 294-300  | 3.3 | 142 |
| 270 | Solid-State Protonation and Electrical Conductivity of Polyaniline. <i>Macromolecules</i> , <b>1998</b> , 31, 2218-2222  | 5.5 | 124 |
| 269 | Aniline oligomers versus polyaniline. <i>Polymer International</i> , <b>2012</b> , 61, 240-251   | 3.3 | 116 |
| 268 | Conducting carbonized polyaniline nanotubes. <i>Nanotechnology</i> , <b>2009</b> , 20, 245601  | 3.4 | 116 |
| 267 | D-mannose-modified iron oxide nanoparticles for stem cell labeling. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 635-44   | 6.3 | 114 |
| 266 | Structural and conductivity changes during the pyrolysis of polyaniline base. <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 114-121   | 4.7 | 112 |
| 265 | Spectroscopy of thin polyaniline films deposited during chemical oxidation of aniline. <i>Chemical Papers</i> , <b>2012</b> , 66,  | 1.9 | 111 |
| 264 | The stability of polyaniline in strongly alkaline or acidic aqueous media. <i>Polymer Degradation and Stability</i> , <b>2008</b> , 93, 592-600  | 4.7 | 108 |
| 263 | Polypyrrole nanotubes: mechanism of formation. <i>RSC Advances</i> , <b>2014</b> , 4, 1551-1558  | 3.7 | 107 |
| 262 | The carbonization of granular polyaniline to produce nitrogen-containing carbon. <i>Synthetic Metals</i> , <b>2011</b> , 161, 1122-1129  | 3.6 | 107 |
| 261 | Antimicrobial activity and cytotoxicity of cotton fabric coated with conducting polymers, polyaniline or polypyrrole, and with deposited silver nanoparticles. <i>Applied Surface Science</i> , <b>2017</b> , 396, 169-176 | 6.7 | 105 |
| 260 | Polypyrrole salts and bases: superior conductivity of nanotubes and their stability towards the loss of conductivity by deprotonation. <i>RSC Advances</i> , <b>2016</b> , 6, 88382-88391                                  | 3.7 | 102 |
| 259 | In-situ polymerized polyaniline films. <i>Synthetic Metals</i> , <b>2002</b> , 129, 29-37  | 3.6 | 98  |
| 258 | Effect of polymerization conditions on the properties of polypyrrole prepared in the presence of sodium bis(2-ethylhexyl) sulfosuccinate. <i>Synthetic Metals</i> , <b>2004</b> , 143, 153-161                             | 3.6 | 96  |
| 257 | In-situ polymerized polyaniline films. Preparation in solutions of hydrochloric, sulfuric, or phosphoric acid. <i>Thin Solid Films</i> , <b>2006</b> , 515, 1640-1646  | 2.2 | 93  |
| 256 | Polyaniline complex with fullerene C60. <i>European Polymer Journal</i> , <b>2000</b> , 36, 2321-2326  | 5.2 | 92  |
| 255 | Fluorescent magnetic nanoparticles for biomedical applications. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 7630   |     | 90  |
| 254 | Investigations of the hydrophobic and hydrophilic interactions in polymer/water systems by ATR FTIR and Raman spectroscopy. <i>Vibrational Spectroscopy</i> , <b>2006</b> , 42, 278-283                                    | 2.1 | 90  |

- 253 Control of polyaniline conductivity and contact angles by partial protonation. *Polymer International*, **2008**, 57, 66-69 3.3 88
- 252 Brominated Polyaniline. *Chemistry of Materials*, **2001**, 13, 4083-4086 9.6 88
- 251 MNDO-PM3 Study of the Early Stages of the Chemical Oxidative Polymerization of Aniline. *Collection of Czechoslovak Chemical Communications*, **2006**, 71, 1407-1426 87
- 250 Synthesis and characterization of conducting polyaniline 5-sulfosalicylate nanotubes. *Nanotechnology*, **2008**, 19, 135606 3.4 86
- 249 Theoretical study of the oxidative polymerization of aniline with peroxydisulfate: Tetramer formation. *International Journal of Quantum Chemistry*, **2008**, 108, 318-333 2.1 85
- 248 Infrared spectroscopic study of solid-state protonation and oxidation of polyaniline. *Synthetic Metals*, **1999**, 101, 840-841 3.6 83
- 247 Synthesis, Characterization, and Electrochemistry of Nanotubular Polypyrrole and Polypyrrole-Derived Carbon Nanotubes. *Journal of Physical Chemistry C*, **2014**, 118, 14770-14784 3.8 81
- 246 Surface Polymerization of Aniline on Silica Gel. *Langmuir*, **2003**, 19, 3013-3018 4 81
- 245 Chemical oxidative polymerization of safranines. *Journal of Physical Chemistry B*, **2007**, 111, 2188-99 3.4 79
- 244 Polypyrrole nanotubes: The tuning of morphology and conductivity. *Polymer*, **2017**, 113, 247-258 3.9 76
- 243 Polymerization of aniline on polyaniline membranes. *Journal of Physical Chemistry B*, **2007**, 111, 2440-8 3.4 76
- 242 Chemical oxidative polymerization of anilinium sulfate versus aniline: Theory and experiment. *Synthetic Metals*, **2008**, 158, 200-211 3.6 75
- 241 The role of water in structural changes of poly(N-isopropylacrylamide) and poly(N-isopropylmethacrylamide) studied by FTIR, Raman spectroscopy and quantum chemical calculations. *Vibrational Spectroscopy*, **2009**, 51, 44-51 2.1 73
- 240 Properties of amine-containing coatings prepared by plasma polymerization. *Journal of Applied Polymer Science*, **2004**, 92, 979-990 2.9 71
- 239 Plasma polymer films rf sputtered from PTFE under various argon pressures. *Vacuum*, **2005**, 77, 131-137 3.7 71
- 238 Conducting polypyrrole nanotubes: a review. *Chemical Papers*, **2018**, 72, 1563-1595 1.9 70
- 237 Poly(N,N-dimethylacrylamide)-coated maghemite nanoparticles for stem cell labeling. *Bioconjugate Chemistry*, **2009**, 20, 283-94 6.3 68
- 236 Polyaniline prepared in solutions of phosphoric acid: Powders, thin films, and colloidal dispersions. *Polymer*, **2006**, 47, 42-48 3.9 68

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| 235 | Poly(aniline-co-pyrrole): powders, films, and colloids. Thermophoretic mobility of colloidal particles. <i>Synthetic Metals</i> , <b>2004</b> , 146, 29-36  | 3.6 | 68 |
| 234 | Polypyrrole prepared in the presence of methyl orange and ethyl orange: nanotubes versus globules in conductivity enhancement. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4236-4245                         | 7.1 | 65 |
| 233 | Mixed electron and proton conductivity of polyaniline films in aqueous solutions of acids: beyond the 1000 S cm <sup>-1</sup> limit. <i>Polymer International</i> , <b>2009</b> , 58, 872-879                               | 3.3 | 63 |
| 232 | In-situ polymerized polyaniline films 6. FTIR spectroscopic study of aniline polymerisation. <i>Synthetic Metals</i> , <b>2005</b> , 154, 1-4   | 3.6 | 63 |
| 231 | Chemical oxidative polymerization of aminodiphenylamines. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 6976-87   | 3.4 | 62 |
| 230 | Flame-retardant effect of polyaniline coating deposited on cellulose fibers. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 98, 2347-2354  | 2.9 | 60 |
| 229 | Conductivity ageing in temperature-cycled polyaniline. <i>Polymer Degradation and Stability</i> , <b>2002</b> , 78, 393-401   | 4.0 | 58 |
| 228 | Conformational transition in polyaniline films [Spectroscopic and conductivity studies of ageing. <i>Polymer Degradation and Stability</i> , <b>2008</b> , 93, 428-435  | 4.7 | 57 |
| 227 | The influence of pulse parameters on film composition during pulsed plasma polymerization of diaminocyclohexane. <i>Surface and Coatings Technology</i> , <b>2003</b> , 174-175, 863-866                                    | 4.4 | 55 |
| 226 | Catalytic activity of polypyrrole nanotubes decorated with noble-metal nanoparticles and their conversion to carbonized analogues. <i>Synthetic Metals</i> , <b>2016</b> , 214, 14-22                                       | 3.6 | 53 |
| 225 | Polyaniline-silver composites prepared by the oxidation of aniline with silver nitrate in solutions of sulfonic acids. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 3580-3585   | 6.7 | 52 |
| 224 | Polyaniline-coated cellulose fibers decorated with silver nanoparticles. <i>Chemical Papers</i> , <b>2008</b> , 62,   | 1.9 | 52 |
| 223 | Structure and stability of thin polyaniline films deposited in situ on silicon and gold during precipitation and dispersion polymerization of aniline hydrochloride. <i>Thin Solid Films</i> , <b>2011</b> , 519, 5933-5941 | 2.2 | 50 |
| 222 | Polyaniline-silver composites prepared by the oxidation of aniline with mixed oxidants, silver nitrate and ammonium peroxydisulfate: The control of silver content. <i>Polymer</i> , <b>2011</b> , 52, 5947-5952            | 3.9 | 49 |
| 221 | Polyaniline Cryogels Supported with Poly(vinyl alcohol): Soft and Conducting. <i>Macromolecules</i> , <b>2017</b> , 50, 972-978   | 5.5 | 48 |
| 220 | Effect of different magnetic nanoparticle coatings on the efficiency of stem cell labeling. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 1539-1547   | 2.8 | 48 |
| 219 | Polyaniline-silver composites prepared by the oxidation of aniline with silver nitrate in acetic acid solutions. <i>Polymer International</i> , <b>2010</b> , 59, 437-446   | 3.3 | 48 |
| 218 | Oxidation of Aniline with Silver Nitrate Accelerated by p-Phenylenediamine: A New Route to Conducting Composites. <i>Macromolecules</i> , <b>2010</b> , 43, 10406-10413   | 5.5 | 46 |

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| 217 | NMR investigation of aniline oligomers produced in the early stages of oxidative polymerization of aniline. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 6666-73                      | 3.4  | 46 |
| 216 | Electrorheology of aniline oligomers. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 2079-2086  | 2.4  | 45 |
| 215 | Reduction of silver nitrate by polyaniline nanotubes to produce silver-polyaniline composites. <i>Chemical Papers</i> , <b>2009</b> , 63,  | 1.9  | 44 |
| 214 | Chemical synthesis of polyaniline in the presence of poly(amidosulfonic acids) with different rigidity of the polymer chain. <i>Polymer</i> , <b>2011</b> , 52, 2474-2484                            | 3.9  | 44 |
| 213 | Purification of a conducting polymer, polyaniline, for biomedical applications. <i>Synthetic Metals</i> , <b>2014</b> , 195, 286-293   | 3.6  | 41 |
| 212 | The carbonization of thin polyaniline films. <i>Thin Solid Films</i> , <b>2012</b> , 520, 6088-6094  | 2.2  | 41 |
| 211 | Oxidative stability of polyaniline. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 1026-1033   | 4.7  | 41 |
| 210 | Flame retardancy afforded by polyaniline deposited on wood. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 103, 24-30   | 2.9  | 41 |
| 209 | Synthesis and characterization of new zirconium 4-sulfophenylphosphonates. <i>Solid State Ionics</i> , <b>2010</b> , 181, 705-713  | 3.3  | 40 |
| 208 | Coating of zinc ferrite particles with a conducting polymer, polyaniline. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 298, 87-93   | 9.3  | 40 |
| 207 | Determination of the Inelastic Mean Free Path of Electrons in Different Polyaniline Samples. <i>Langmuir</i> , <b>2000</b> , 16, 1415-1423   | 4    | 40 |
| 206 | Polyaniline: Aniline oxidation with strong and weak oxidants under various acidity. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 194, 206-218  | 4.4  | 39 |
| 205 | The deposition of globular polypyrrole and polypyrrole nanotubes on cotton textile. <i>Applied Surface Science</i> , <b>2015</b> , 356, 737-741  | 6.7  | 39 |
| 204 | Self-assembly of aniline oligomers. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 129-37  | 4.5  | 39 |
| 203 | Polypyrrole/silver composites prepared by single-step synthesis. <i>Synthetic Metals</i> , <b>2013</b> , 166, 57-62  | 3.6  | 39 |
| 202 | The role of acidity profile in the nanotubular growth of polyaniline. <i>Chemical Papers</i> , <b>2010</b> , 64,   | 1.9  | 39 |
| 201 | Structure of montmorillonite cointercalated with stearic acid and octadecylamine: modeling, diffraction, IR spectroscopy. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 300, 264-9 | 9.3  | 39 |
| 200 | Carbonization of aniline oligomers to electrically polarizable particles and their use in electrorheology. <i>Chemical Engineering Journal</i> , <b>2014</b> , 256, 398-406                          | 14.7 | 38 |

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| 199 | Anticorrosion properties of inorganic pigments surface-modified with a polyaniline phosphate layer. <i>Progress in Organic Coatings</i> , <b>2008</b> , 63, 209-221  | 4.8 | 38 |
| 198 | Plasma polymers prepared by RF sputtering of polyethylene. <i>Vacuum</i> , <b>2003</b> , 70, 505-509   | 3.7 | 38 |
| 197 | Optimization routes for high electrical conductivity of polypyrrole nanotubes prepared in presence of methyl orange. <i>Synthetic Metals</i> , <b>2017</b> , 230, 89-96  | 3.6 | 37 |
| 196 | Enhanced thermal stability of multi-walled carbon nanotubes after coating with polyaniline salt. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 1405-1414  | 4.7 | 36 |
| 195 | Solid-state reduction of silver nitrate with polyaniline base leading to conducting materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 1906-12  | 9.5 | 36 |
| 194 | Polypyrrole Nanotubes and Their Carbonized Analogs: Synthesis, Characterization, Gas Sensing Properties. <i>Sensors</i> , <b>2016</b> , 16,  | 3.8 | 36 |
| 193 | Detection of aniline oligomers on polyaniline-gold interface using resonance Raman scattering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 942-50   | 9.5 | 34 |
| 192 | Novel silicon carbide/polypyrrole composites; preparation and physicochemical properties. <i>Materials Research Bulletin</i> , <b>2005</b> , 40, 749-765   | 5.1 | 34 |
| 191 | The oxidative polymerization of p-phenylenediamine with silver nitrate: Toward highly conducting micro/nanostructured silver/conjugated polymer composites. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 3387-3403 | 2.5 | 33 |
| 190 | Monodisperse magnetic composite poly(glycidyl methacrylate)/La <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> microspheres by the dispersion polymerization. <i>Polymer</i> , <b>2010</b> , 51, 3116-3122                     | 3.9 | 33 |
| 189 | Nanocomposites with mixed electronic and protonic conduction for electrocatalysis. <i>Russian Journal of Electrochemistry</i> , <b>2007</b> , 43, 528-536  | 1.2 | 33 |
| 188 | Composite SiO <sub>x</sub> /fluorocarbon plasma polymer films prepared by r.f. magnetron sputtering of SiO <sub>2</sub> and PTFE. <i>Vacuum</i> , <b>2006</b> , 81, 38-44  | 3.7 | 33 |
| 187 | In-situ prepared polyaniline-silver composites: Single- and two-step strategies. <i>Electrochimica Acta</i> , <b>2014</b> , 122, 259-266   | 6.7 | 32 |
| 186 | Polypyrrole and polyaniline prepared with cerium(IV) sulfate oxidant. <i>Synthetic Metals</i> , <b>2010</b> , 160, 701-707   | 3.6 | 32 |
| 185 | The carbonization of colloidal polyaniline nanoparticles to nitrogen-containing carbon analogues. <i>Polymer International</i> , <b>2010</b> , 59, 875-878   | 3.3 | 32 |
| 184 | Polymerization of aniline in ice. <i>Synthetic Metals</i> , <b>2008</b> , 158, 927-933   | 3.6 | 32 |
| 183 | Characterization of glow-discharge-treated cellulose acetate membrane surfaces for single-layer enzyme electrode studies. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 81, 1341-1352                                  | 2.9 | 32 |
| 182 | The oxidation of aniline with p-benzoquinone and its impact on the preparation of the conducting polymer, polyaniline. <i>Synthetic Metals</i> , <b>2014</b> , 192, 66-73  | 3.6 | 31 |



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| 181 | Conducting polyaniline/hontmorillonite composites. <i>Synthetic Metals</i> , <b>2010</b> , 160, 2596-2604   | 3.6 | 31 |
| 180 | Composite SiO <sub>x</sub> /hydrocarbon plasma polymer films prepared by RF magnetron sputtering of SiO <sub>2</sub> and polyethylene or polypropylene. <i>Vacuum</i> , <b>2006</b> , 81, 32-37   | 3.7 | 31 |
| 179 | The reaction of polyaniline with iodine. <i>Polymer</i> , <b>2008</b> , 49, 180-185   | 3.9 | 30 |
| 178 | Resonance Raman Spectroscopy of Conducting Polypyrrole Nanotubes: Disordered Surface versus Ordered Body. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 9298-9306   | 2.8 | 30 |
| 177 | Conducting Polymers: Polyaniline <b>2015</b> , 1-44   |     | 29 |
| 176 | Oxidation of aniline in dopant-free template-free dilute reaction media. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 127, 501-510  | 4.4 | 29 |
| 175 | Polyamide Membranes Modified by Carbon Nanotubes: Application for Pervaporation. <i>Separation Science and Technology</i> , <b>2009</b> , 45, 35-41   | 2.5 | 29 |
| 174 | Characterization of C-N thin films deposited by reactive excimer laser ablation of graphite targets in nitrogen atmosphere. <i>Thin Solid Films</i> , <b>1997</b> , 307, 54-59  | 2.2 | 29 |
| 173 | Polymerization of aniline in the solutions of strong and weak acids: the evolution of infrared spectra and their interpretation using factor analysis. <i>Applied Spectroscopy</i> , <b>2007</b> , 61, 1153-62  | 3.1 | 29 |
| 172 | Chemical bonding study of nanocrystalline diamond films prepared by plasma techniques. <i>Thin Solid Films</i> , <b>2006</b> , 506-507, 297-302   | 2.2 | 29 |
| 171 | Protonation of Polyaniline with 3-Nitro-1,2,4-triazol-5-one. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3602-3606  | 9.6 | 29 |
| 170 | Stem cell differentiation on conducting polyaniline. <i>RSC Advances</i> , <b>2015</b> , 5, 68796-68805   | 3.7 | 28 |
| 169 | Electrorheology of polyaniline, carbonized polyaniline, and their core-shell composites. <i>Materials Letters</i> , <b>2013</b> , 101, 90-92  | 3.3 | 28 |
| 168 | The reduction of silver nitrate to metallic silver inside polyaniline nanotubes and on oligoaniline microspheres. <i>Synthetic Metals</i> , <b>2010</b> , 160, 1479-1486  | 3.6 | 28 |
| 167 | Magnetic poly(glycidyl methacrylate)-based microspheres prepared by suspension polymerization in the presence of modified La <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> nanoparticles. <i>European Polymer Journal</i> , <b>2009</b> , 45, 1009-1016 | 5.3 | 28 |
| 166 | Polyaniline-coated silver nanowires. <i>Reactive and Functional Polymers</i> , <b>2010</b> , 70, 656-662  | 4.6 | 28 |
| 165 | The material combining conducting polymer and ionic liquid: Hydrogen bonding interactions between polyaniline and imidazolium salt. <i>Synthetic Metals</i> , <b>2014</b> , 197, 168-174  | 3.6 | 27 |
| 164 | Effect of oxidant on electronic transport in polypyrrole nanotubes synthesized in the presence of methyl orange. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 1147-1159   | 2.6 | 27 |



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|-----|---|-----|----|
| 163 | Polyaniline prepared in ethylene glycol or glycerol. <i>Polymer</i> , <b>2011</b> , 52, 1900-1907   | 3.9 | 27 |
| 162 | FTIR spectroscopy of ordered polyaniline films. <i>Synthetic Metals</i> , <b>2003</b> , 135-136, 305-306  | 3.6 | 27 |
| 161 | The composites of silver with globular or nanotubular polypyrrole: The control of silver content. <i>Synthetic Metals</i> , <b>2015</b> , 209, 105-111  | 3.6 | 26 |
| 160 | Synthesis and characterization of new strontium 4-carboxyphenylphosphonates. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 929-939   | 3.3 | 26 |
| 159 | Preparation, surface chemistry, and electrical conductivity of novel silicon carbide/polypyrrole composites containing an anionic surfactant. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1198-1206  | 2.3 | 26 |
| 158 | Structure analysis of montmorillonite intercalated with rhodamine B: modeling and experiment. <i>Journal of Molecular Modeling</i> , <b>2003</b> , 9, 39-46   | 2   | 26 |
| 157 | Intercalation of Water into Anhydrous Vanadyl Phosphate Studied by the Infrared and Raman Spectroscopies. <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 148, 197-204                                      | 3.3 | 26 |
| 156 | Cotton Fabric Coated with Conducting Polymers and its Application in Monitoring of Carnivorous Plant Response. <i>Sensors</i> , <b>2016</b> , 16,   | 3.8 | 26 |
| 155 | Towards conducting inks: Polypyrrole-silver colloids. <i>Electrochimica Acta</i> , <b>2014</b> , 122, 296-302   | 6.7 | 25 |
| 154 | New strontium phenylphosphonate: synthesis and characterization. <i>Solid State Sciences</i> , <b>2006</b> , 8, 1380-1385   | 3.5 | 25 |
| 153 | Synergistic conductivity increase in polypyrrole/molybdenum disulfide composite. <i>Polymer</i> , <b>2018</b> , 150, 130-137  | 3.9 | 25 |
| 152 | Acid Blue dyes in polypyrrole synthesis: The control of polymer morphology at nanoscale in the promotion of high conductivity and the reduction of cytotoxicity. <i>Synthetic Metals</i> , <b>2018</b> , 237, 40-49 | 3.6 | 24 |
| 151 | Colloids of polypyrrole nanotubes/nanorods: A promising conducting ink. <i>Synthetic Metals</i> , <b>2016</b> , 221, 67-74  | 3.6 | 24 |
| 150 | Solid-state oxidation of aniline hydrochloride with various oxidants. <i>Synthetic Metals</i> , <b>2011</b> , 161, 1353-1360  | 3.6 | 24 |
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