# Igor Zhitomirsky

## List of Publications by Citations



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|---|---|---|---|
| 268 papers | 9,906 citations | 53 h-index | 87 g-index |
| 279 ext. papers | 10,747 ext. citations | 5.1 avg, IF | 6.97 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 268 | Cathodic electrodeposition of ceramic and organoceramic materials. Fundamental aspects. *Advances in Colloid and Interface Science*, **2002**, 97, 279-317 | 14.3 | 547 |
| 267 | Electrophoretic deposition of biomaterials. *Journal of the Royal Society Interface*, **2010**, 7 Suppl 5, S581-613 | 4.1 | 463 |
| 266 | Application of electrophoretic and electrolytic deposition techniques in ceramics processing. *Current Opinion in Solid State and Materials Science*, **2002**, 6, 251-260 | 12 | 417 |
| 265 | Electrophoretic deposition of hydroxyapatite. *Journal of Materials Science: Materials in Medicine*, **1997**, 8, 213-9 | 4.5 | 326 |
| 264 | Cellulose Nanocrystal Aerogels as Universal 3D Lightweight Substrates for Supercapacitor Materials. *Advanced Materials*, **2015**, 27, 6104-9 | 24 | 253 |
| 263 | Electrodeposition of composite hydroxyapatite□chitosan films. *Materials Chemistry and Physics*, **2005**, 94, 245-251 | 4.4 | 201 |
| 262 | Cathodic electrodeposition of MnOx films for electrochemical supercapacitors. *Electrochimica Acta*, **2006**, 51, 3039-3045 | 6.7 | 172 |
| 261 | Activated Carbon-Coated Carbon Nanotubes for Energy Storage in Supercapacitors and Capacitive Water Purification. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 1289-1298 | 8.3 | 160 |
| 260 | Electrophoretic deposition of composite hydroxyapatite-chitosan coatings. *Materials Characterization*, **2007**, 58, 339-348 | 3.9 | 139 |
| 259 | A review of new methods of surface chemical modification, dispersion and electrophoretic deposition of metal oxide particles. *RSC Advances*, **2014**, 4, 22716 | 3.7 | 132 |
| 258 | Electrophoretic deposition of bioactive glass/polymer composite coatings with and without HA nanoparticle inclusions for biomedical applications. *Journal of Materials Processing Technology*, **2009**, 209, 1853-1860 | 5.3 | 132 |
| 257 | Electrodeposition of alginic acid and composite films. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 328, 73-78 | 5.1 | 119 |
| 256 | Electrophoretic deposition of ceramic materials for fuel cell applications. *Journal of the European Ceramic Society*, **2000**, 20, 2055-2061 | 6 | 115 |
| 255 | Electrophoretic hydroxyapatite coatings and fibers. *Materials Letters*, **2000**, 42, 262-271 | 3.3 | 112 |
| 254 | Electrophoretic deposition of manganese dioxide-multiwalled carbon nanotube composites for electrochemical supercapacitors. *Langmuir*, **2009**, 25, 9684-9 | 4 | 109 |
| 253 | Manganese oxide films for electrochemical supercapacitors. *Journal of Materials Processing Technology*, **2007**, 186, 356-361 | 5.3 | 105 |
| 252 | Efficient Lightweight Supercapacitor with Compression Stability. *Advanced Functional Materials*, **2016**, 26, 6437-6445 | 15.6 | 101 |

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| 251 | Electrodeposition of hydroxyapatite–silver–chitosan nanocomposite coatings. *Surface and Coatings Technology*, **2008**, 202, 3815-3821 | 4.4 | 98 |
| 250 | Electrochemical capacitance of MnOx films. *Materials Chemistry and Physics*, **2007**, 103, 47-53 | 4.4 | 96 |
| 249 | Electrophoretic deposition of hydroxyapatite-CaSiO3-chitosan composite coatings. *Journal of Colloid and Interface Science*, **2009**, 330, 323-9 | 9.3 | 95 |
| 248 | Cathodic electrosynthesis of iron oxide films for electrochemical supercapacitors. *Journal of Applied Electrochemistry*, **2006**, 36, 1399-1405 | 2.6 | 93 |
| 247 | Electrodeposition of polypyrrole–carbon nanotube composites for electrochemical supercapacitors. *Journal of Power Sources*, **2013**, 221, 49-56 | 8.9 | 91 |
| 246 | Electrophoretic and electrolytic deposition of ceramic coatings on carbon fibers. *Journal of the European Ceramic Society*, **1998**, 18, 849-856 | 6 | 87 |
| 245 | Electrophoretic deposition of composite hydroxyapatite–silica–chitosan coatings. *Materials Characterization*, **2008**, 59, 61-67 | 3.9 | 87 |
| 244 | Electrophoretic deposition of composite hydroxyapatite–chitosan–heparin coatings. *Journal of Materials Processing Technology*, **2009**, 209, 1597-1606 | 5.3 | 86 |
| 243 | Electrochemical deposition of ceria and doped ceria films. *Ceramics International*, **2001**, 27, 149-155 | 5.1 | 86 |
| 242 | Nickel foam-based manganese dioxide–carbon nanotube composite electrodes for electrochemical supercapacitors. *Journal of Power Sources*, **2008**, 185, 1569-1574 | 8.9 | 85 |
| 241 | Polypyrrole nanofiber–carbon nanotube electrodes for supercapacitors with high mass loading obtained using an organic dye as a co-dispersant. *Journal of Materials Chemistry A*, **2013**, 1, 11614 | 13 | 84 |
| 240 | Manganese dioxide–carbon nanotube nanocomposites for electrodes of electrochemical supercapacitors. *Scripta Materialia*, **2009**, 61, 1079-1082 | 5.6 | 82 |
| 239 | Electrophoretic deposition of organic–inorganic nanocomposites. *Journal of Materials Science*, **2006**, 41, 8186-8195 | 4.3 | 78 |
| 238 | Electrolytic and electrophoretic deposition of CeO2 films. *Materials Letters*, **1999**, 40, 263-268 | 3.3 | 77 |
| 237 | Electrodeposition of ceramic films from non-aqueous and mixed solutions. *Journal of Materials Science*, **1995**, 30, 5307-5312 | 4.3 | 77 |
| 236 | New developments in non-covalent surface modification, dispersion and electrophoretic deposition of carbon nanotubes. *Carbon*, **2018**, 130, 584-598 | 10.4 | 76 |
| 235 | Electrophoretic deposition of polymer-carbon nanotube–hydroxyapatite composites. *Surface and Coatings Technology*, **2009**, 203, 1481-1487 | 4.4 | 75 |
| 234 | Hybrid MnO2/carbon nanotube-VN/carbon nanotube supercapacitors. *Journal of Power Sources*, **2014**, 267, 235-242 | 8.9 | 74 |

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| 233 | Electrophoretic deposition of electrolyte materials for solid oxide fuel cells. *Journal of Materials Science*, **2004**, 39, 825-831 | 4.3 | 70 |
| 232 | The Development of Pseudocapacitor Electrodes and Devices with High Active Mass Loading. *Advanced Energy Materials*, **2020**, 10, 1903848 | 21.8 | 69 |
| 231 | Microstructure and properties of manganese dioxide films prepared by electrodeposition. *Applied Surface Science*, **2008**, 254, 6671-6676 | 6.7 | 68 |
| 230 | Electrolytic deposition of zirconia and zirconia organoceramic composites. *Materials Letters*, **2000**, 46, 1-6 | 3.3 | 68 |
| 229 | Asymmetric electrochemical supercapacitor, based on polypyrrole coated carbon nanotube electrodes. *Applied Energy*, **2015**, 153, 48-55 | 10.7 | 67 |
| 228 | Polypyrrole coated carbon nanotubes for supercapacitor devices with enhanced electrochemical performance. *Journal of Power Sources*, **2014**, 268, 233-239 | 8.9 | 64 |
| 227 | Cathodic electrodeposition of Ag-doped manganese dioxide films for electrodes of electrochemical supercapacitors. *Materials Letters*, **2011**, 65, 1759-1761 | 3.3 | 64 |
| 226 | Electrophoretic deposition of composite chitosan–halloysite nanotube–hydroxyapatite films. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 410, 38-44 | 5.1 | 62 |
| 225 | Influence of current collector on capacitive behavior and cycling stability of Tiron doped polypyrrole electrodes. *Journal of Power Sources*, **2013**, 240, 42-49 | 8.9 | 62 |
| 224 | Chitosan-mediated electrosynthesis of organic–inorganic nanocomposites. *Journal of Materials Processing Technology*, **2007**, 191, 68-72 | 5.3 | 62 |
| 223 | Electrophoretic nanotechnology of graphene-carbon nanotube and graphene-polypyrrole nanofiber composites for electrochemical supercapacitors. *Journal of Colloid and Interface Science*, **2013**, 407, 474-81 | 9.3 | 61 |
| 222 | Electrodeposition of zinc and composite zinc–yttria stabilized zirconia coatings. *Journal of Materials Processing Technology*, **2009**, 209, 2632-2640 | 5.3 | 61 |
| 221 | Amperometric Detection of Glucose Using a Conjugated Polyelectrolyte Complex with Single-Walled Carbon Nanotubes. *Macromolecules*, **2010**, 43, 10376-10381 | 5.5 | 60 |
| 220 | Surface modifications of Nitinol for biomedical applications. *Colloids and Surfaces B: Biointerfaces*, **2008**, 67, 132-9 | 6 | 58 |
| 219 | Electrolytic deposition of oxide films in the presence of hydrogen peroxide. *Journal of the European Ceramic Society*, **1999**, 19, 2581-2587 | 6 | 57 |
| 218 | Electrophoretic deposition of manganese dioxide–carbon nanotube composites. *Journal of Materials Processing Technology*, **2009**, 209, 3452-3459 | 5.3 | 56 |
| 217 | Electrophoretic deposition of polyacrylic acid and composite films containing nanotubes and oxide particles. *Journal of Colloid and Interface Science*, **2011**, 362, 367-74 | 9.3 | 54 |
| 216 | Electrodeposition and capacitive behavior of films for electrodes of electrochemical supercapacitors. *Nanoscale Research Letters*, **2010**, 5, 518-23 | 5 | 54 |

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| 215 | Fabrication of polypyrrole-coated carbon nanotubes using oxidant-surfactant nanocrystals for supercapacitor electrodes with high mass loading and enhanced performance. *ACS Applied Materials & Interfaces*, **2013**, 5, 13161-70 | 9.5 | 53 |
| 214 | Electrophoretic deposition of TiO2 and composite TiO2-MnO2 films using benzoic acid and phenolic molecules as charging additives. *Journal of Colloid and Interface Science*, **2010**, 352, 371-8 | 9.3 | 53 |
| 213 | Electrophoretic deposition of manganese oxide films. *Surface Engineering*, **2009**, 25, 346-352 | 2.6 | 52 |
| 212 | Electrodeposition of composite zinc oxide–chitosan films. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2010**, 356, 63-70 | 5.1 | 52 |
| 211 | Electrochemical deposition of yttrium oxide. *Journal of Materials Chemistry*, **2000**, 10, 1215-1218 | | 52 |
| 210 | Cathodic electrolytic deposition of zirconia films. *Surface and Coatings Technology*, **2005**, 195, 138-146 | 4.4 | 50 |
| 209 | High areal capacitance of Fe3O4-decorated carbon nanotubes for supercapacitor electrodes **2019**, 1, 124-133 | | 49 |
| 208 | Electrophoretic deposition of graphene, carbon nanotubes and composite films using methyl violet dye as a dispersing agent. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 436, 97-103 | 5.1 | 49 |
| 207 | Cathodic electrophoretic deposition of diamond particles. *Materials Letters*, **1998**, 37, 72-78 | 3.3 | 49 |
| 206 | Cathodic electrosynthesis of titanium and ruthenium oxides. *Materials Letters*, **1998**, 33, 305-310 | 3.3 | 47 |
| 205 | Preparation of metal–organic framework films by electrophoretic deposition method. *Materials Letters*, **2015**, 142, 19-22 | 3.3 | 46 |
| 204 | Cathodic electrophoretic deposition of manganese dioxide films. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 348, 248-253 | 5.1 | 46 |
| 203 | Ruthenium oxide deposits prepared by cathodic electrosynthesis. *Materials Letters*, **1997**, 31, 155-159 | 3.3 | 46 |
| 202 | Formation of hollow fibers by electrophoretic deposition. *Materials Letters*, **1999**, 38, 10-17 | 3.3 | 44 |
| 201 | Cathodic electrosynthesis of ceramic deposits. *Journal of the European Ceramic Society*, **1996**, 16, 819-824 | | 42 |
| 200 | Asymmetric Supercapacitors Based on Activated-Carbon-Coated Carbon Nanotubes. *ChemElectroChem*, **2015**, 2, 396-403 | 4.3 | 41 |
| 199 | Polypyrrole electrodes doped with sulfanilic acid azochromotrop for electrochemical supercapacitors. *Journal of Power Sources*, **2013**, 243, 865-871 | 8.9 | 40 |
| 198 | Anionic dopant–dispersants for synthesis of polypyrrole coated carbon nanotubes and fabrication of supercapacitor electrodes with high active mass loading. *Journal of Materials Chemistry A*, **2014**, 2, 14666 | 13 | 39 |

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| 197 | Electrophoretic deposition of composite halloysite nanotube–hydroxyapatite–hyaluronic acid films. *Journal of Alloys and Compounds*, **2014**, 586, S531-S534 | 5.7 | 39 |
| 196 | Influence of dopants and carbon nanotubes on polypyrrole electropolymerization and capacitive behavior. *Materials Letters*, **2013**, 98, 67-70 | 3.3 | 39 |
| 195 | Density functional theory and experimental studies of caffeic acid adsorption on zinc oxide and titanium dioxide nanoparticles. *RSC Advances*, **2015**, 5, 106877-106885 | 3.7 | 39 |
| 194 | Electrophoretic deposition of graphene, carbon nanotubes and composites using aluminon as charging and film forming agent. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 398, 9-16 | 5.1 | 39 |
| 193 | Synthesis and Electrophoretic Deposition of Single-Walled Carbon Nanotube Complexes with a Conjugated Polyelectrolyte. *Chemistry of Materials*, **2010**, 22, 2741-2749 | 9.6 | 39 |
| 192 | Surface modification of MnO2 and carbon nanotubes using organic dyes for nanotechnology of electrochemical supercapacitors. *Journal of Materials Chemistry A*, **2013**, 1, 12519 | 13 | 38 |
| 191 | Electrodeposition of composite materials containing functionalized carbon nanotubes. *Materials Chemistry and Physics*, **2008**, 111, 42-49 | 4.4 | 38 |
| 190 | Electrochemical preparation of PbO films. *Journal of Materials Science Letters*, **1995**, 14, 807-810 | | 37 |
| 189 | Electrodeposition of hyaluronic acid and composite films. *Surface Engineering*, **2009**, 25, 621-627 | 2.6 | 34 |
| 188 | Surface modification with an antithrombin-heparin complex for anticoagulation: studies on a model surface with gold as substrate. *Acta Biomaterialia*, **2010**, 6, 2911-9 | 10.8 | 34 |
| 187 | Electropolymerization of polypyrrole films on stainless steel substrates for electrodes of electrochemical supercapacitors. *Synthetic Metals*, **2012**, 162, 868-872 | 3.6 | 33 |
| 186 | Electrophoretic deposition of silica–hyaluronic acid and titania–hyaluronic acid nanocomposites. *Journal of Alloys and Compounds*, **2011**, 509, S510-S513 | 5.7 | 33 |
| 185 | Asymmetric supercapacitor, based on composite MnO2-graphene and N-doped activated carbon coated carbon nanotube electrodes. *Electrochimica Acta*, **2017**, 233, 142-150 | 6.7 | 32 |
| 184 | Electrodeposition of chitosan–hemoglobin films. *Materials Letters*, **2011**, 65, 1463-1465 | 3.3 | 32 |
| 183 | Cathodic electrosynthesis of titania films and powders. *Scripta Materialia*, **1997**, 8, 521-528 | | 32 |
| 182 | Electrodeposition of hyaluronic acid and hyaluronic acid-bovine serum albumin films from aqueous solutions. *Colloids and Surfaces B: Biointerfaces*, **2010**, 77, 279-85 | 6 | 31 |
| 181 | Electrophoretic deposition of manganese oxide nanofibers. *Materials Chemistry and Physics*, **2008**, 112, 525-530 | 4.4 | 31 |
| 180 | Electrolytic deposition of ZrO2–Y2O3 films. *Materials Letters*, **2001**, 50, 189-193 | 3.3 | 31 |

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| 179 | Influence of chemical structure of dyes on capacitive dye removal from solutions. *Electrochimica Acta*, **2015**, 174, 588-595 | 6.7 | 30 |
| 178 | Composite electrodes for electrochemical supercapacitors. *Nanoscale Research Letters*, **2010**, 5, 512-7 | 5 | 30 |
| 177 | Electrophoretic deposition of polymers and proteins for biomedical applications. *Advances in Colloid and Interface Science*, **2020**, 284, 102272 | 14.3 | 30 |
| 176 | Electrodeposition of cerium oxide films and composites. *Surface and Coatings Technology*, **2011**, 206, 1-7 | 4.4 | 29 |
| 175 | Electrochemical Al2O3ZrO2 composite coatings on non-oxide ceramic substrates. *Journal of Materials Science*, **1997**, 32, 389-400 | 4.3 | 29 |
| 174 | Electrolytic deposition of niobium oxide films. *Materials Letters*, **1998**, 35, 188-193 | 3.3 | 29 |
| 173 | Electrophoretic Deposition of Ceramic Nanoparticles. *International Journal of Applied Ceramic Technology*, **2011**, 8, 920-927 | 2 | 28 |
| 172 | Characterization of zirconium, lanthanum and lead oxide deposits prepared by cathodic electrosynthesis. *Journal of Materials Science*, **1998**, 33, 699-705 | 4.3 | 28 |
| 171 | ELECTRODEPOSITION OF NANOCOMPOSITE ORGANIC–INORGANIC COATINGS FOR BIOMEDICAL APPLICATIONS. *International Journal of Nanoscience*, **2005**, 04, 409-418 | 0.6 | 28 |
| 170 | Electrophoretic deposition of chiral polymers and composites. *Colloids and Surfaces B: Biointerfaces*, **2011**, 87, 505-9 | 6 | 27 |
| 169 | Electrolytic PZT films. *Journal of Materials Science*, **1997**, 32, 803-807 | 4.3 | 27 |
| 168 | Electrodeposition of hybrid organic–inorganic films containing iron oxide. *Materials Letters*, **2003**, 57, 1045-1050 | 3.3 | 27 |
| 167 | Electrolytic deposition of Gd2O3 and organoceramic composite. *Materials Letters*, **2000**, 42, 273-279 | 3.3 | 27 |
| 166 | Polypyrrole coated carbon nanotubes for supercapacitors, prepared using indigo carmine as a dispersant and dopant. *Materials Letters*, **2014**, 135, 47-50 | 3.3 | 26 |
| 165 | Electrolytic TiO2-RuO2 deposits. *Journal of Materials Science*, **1999**, 34, 2441-2447 | 4.3 | 26 |
| 164 | Electrochemical supercapacitor based on multiferroic BiMn 2 O 5. *Journal of Power Sources*, **2015**, 284, 377-382 | 8.9 | 25 |
| 163 | Composite nickel hydroxide–polyelectrolyte films prepared by cathodic electrosynthesis. *Journal of Applied Electrochemistry*, **2004**, 34, 235-240 | 2.6 | 25 |
| 162 | Cathodic electrodeposition of cobalt oxide films using polyelectrolytes. *Materials Chemistry and Physics*, **2005**, 91, 391-398 | 4.4 | 25 |

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| 161 | Capacitive behaviour of polypyrrole films prepared on stainless steel substrates by electropolymerization. *Materials Letters*, **2012**, 76, 15-17 | 3.3 | 24 |
| 160 | Electrodes for Electrochemical Supercapacitors. *Materials and Manufacturing Processes*, **2009**, 24, 1359-1364 | 1.6 | 24 |
| 159 | Electrodeposition of composite polypyrrole–carbon nanotube films. *Surface Engineering*, **2011**, 27, 655-661 | 1.6 | 23 |
| 158 | Cathodic electrodeposition of polymer films and organoceramic films. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2000**, 78, 125-130 | 3.1 | 23 |
| 157 | Nickel oxide nanotube synthesis using multiwalled carbon nanotubes as sacrificial templates for supercapacitor application. *Nanotechnology*, **2017**, 28, 075603 | 3.4 | 22 |
| 156 | Electrophoretic deposition of TiO2 nanoparticles using organic dyes. *Journal of Colloid and Interface Science*, **2012**, 369, 395-401 | 9.3 | 22 |
| 155 | Effect of 5-sulfosalicylic acid and poly[2,5-bis(3-sulfonatopropoxy)-1,4-ethynylphenylene-alt-1,4-ethynylphenylene] on electrodeposition of polypyrrole–carbon nanotube films on stainless steel. *Materials Letters*, **2012**, 68, 24-27 | 3.3 | 22 |
| 154 | New developments in liquid-liquid extraction, surface modification and agglomerate-free processing of inorganic particles. *Advances in Colloid and Interface Science*, **2018**, 261, 15-27 | 14.3 | 22 |
| 153 | Colloidal methods for the fabrication of carbon nanotube-manganese dioxide and carbon nanotube-polypyrrole composites using bile acids. *Journal of Colloid and Interface Science*, **2015**, 454, 27-34 | 9.3 | 21 |
| 152 | Supercapacitor devices for energy storage and capacitive dye removal from aqueous solutions. *RSC Advances*, **2015**, 5, 320-327 | 3.7 | 21 |
| 151 | Electrophoretic deposition of tannic acid-polypyrrolidone films and composites. *Journal of Colloid and Interface Science*, **2016**, 469, 177-183 | 9.3 | 21 |
| 150 | New colloidal route for electrostatic assembly of oxide nanoparticle–carbon nanotube composites. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 446, 15-22 | 5.1 | 21 |
| 149 | Influence of dopant structure and charge on supercapacitive behavior of polypyrrole electrodes with high mass loading. *Synthetic Metals*, **2013**, 185-186, 126-132 | 3.6 | 21 |
| 148 | Electrophoretic Deposition of Polyetheretherketone Composites, Containing Huntite and Alumina Platelets. *Journal of the Electrochemical Society*, **2015**, 162, D3057-D3062 | 3.9 | 20 |
| 147 | Biomimetically modified chitosan for electrophoretic deposition of composites. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2018**, 544, 28-34 | 5.1 | 20 |
| 146 | Application of octanohydroxamic acid for liquid-liquid extraction of manganese oxides and fabrication of supercapacitor electrodes. *Journal of Colloid and Interface Science*, **2018**, 515, 50-57 | 9.3 | 20 |
| 145 | Dispersing agents for electrophoretic deposition of TiO2 and TiO2–carbon nanotube composites. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 418, 131-138 | 5.1 | 20 |
| 144 | Conjugated polyelectrolyte complexes with single-walled carbon nanotubes for amperometric detection of glucose with inherent anti-interference properties. *Journal of Materials Chemistry*, **2012**, 22, 9147 | | 20 |

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| 143 | Electrophoretic deposition of chitosan–albumin and alginate–albumin films. *Surface Engineering*, **2011**, 27, 51-56 | 2.6 | 20 |
| 142 | Electrosynthesis of manganese oxide films. *Surface Engineering*, **2008**, 24, 40-46 | 2.6 | 20 |
| 141 | Electrochemical processing and characterization of nickel hydroxide–polyelectrolyte films. *Materials Letters*, **2004**, 58, 420-424 | 3.3 | 20 |
| 140 | The electrodeposition of ceramic and organoceramic films for fuel cells. *Jom*, **2001**, 53, 48-50 | 2.1 | 20 |
| 139 | Cathodic electrosynthesis of PZT films. *Materials Letters*, **1995**, 25, 223-227 | 3.3 | 20 |
| 138 | MnO2-Carbon Nanotube Electrodes for Supercapacitors with High Active Mass Loadings. *Journal of the Electrochemical Society*, **2017**, 164, A1673-A1678 | 3.9 | 19 |
| 137 | Electrophoretic nanotechnology of composite electrodes for electrochemical supercapacitors. *Journal of Physical Chemistry B*, **2013**, 117, 1563-70 | 3.4 | 19 |
| 136 | Cataphoretic assembly of cationic dyes and deposition of carbon nanotube and graphene films. *Journal of Colloid and Interface Science*, **2013**, 399, 46-53 | 9.3 | 19 |
| 135 | Electrolytic deposition of ZrTiO4 films. *Journal of Materials Science Letters*, **1995**, 14, 60-62 | | 19 |
| 134 | Biomimetic modification of poly-l-lysine and electrodeposition of nanocomposite coatings for orthopaedic applications. *Colloids and Surfaces B: Biointerfaces*, **2019**, 176, 115-121 | 6 | 19 |
| 133 | Azopolymer triggered electrophoretic deposition of MnO2-carbon nanotube composites and polypyrrole coated carbon nanotubes for supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 16486-16494 | 13 | 18 |
| 132 | Fe3O4 spinel-Mn3O4 spinel supercapacitor prepared using Celestine blue as a dispersant, capping agent and charge transfer mediator. *Ceramics International*, **2020**, 46, 18851-18858 | 5.1 | 18 |
| 131 | Composite electrodes for electrochemical supercapacitors. *Journal of Applied Electrochemistry*, **2009**, 39, 2579-2585 | 2.6 | 18 |
| 130 | Effect of phenolic molecules on electrophoretic deposition of manganese dioxide–carbon nanotube nanocomposites. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2010**, 369, 211-217 | 5.1 | 18 |
| 129 | Fabrication of composite films containing zirconia and cationic polyelectrolytes. *Langmuir*, **2004**, 20, 2924-7 | | 18 |
| 128 | Asymmetric supercapacitor based on MnO2 and Fe2O3 nanotube active materials and graphene current collectors. *Nano Structures Nano Objects*, **2018**, 15, 98-106 | 5.6 | 17 |
| 127 | High areal capacitance of FeOOH-carbon nanotube negative electrodes for asymmetric supercapacitors. *Ceramics International*, **2018**, 44, 18007-18015 | 5.1 | 17 |
| 126 | Electrophoretic deposition of titanium dioxide using organic acids as charging additives. *Materials Letters*, **2012**, 73, 190-193 | 3.3 | 17 |

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| 125 | Electrophoretic assembly of organic molecules and composites for electrochemical supercapacitors. *Journal of Colloid and Interface Science*, **2013**, 392, 247-255 | 9.3 | 17 |
| 124 | Electrophoretic deposition of poly[3-(3-N,N-diethylaminopropoxy)thiophene] and composite films. *Materials Chemistry and Physics*, **2011**, 125, 210-218 | 4.4 | 17 |
| 123 | Electrodeposition of polypyrrole-heparin and polypyrrole-hydroxyapatite films. *Materials Letters*, **2011**, 65, 681-684 | 3.3 | 17 |
| 122 | Synthesis of metal and metal oxide nanoparticles, liquid–liquid extraction and application in supercapacitors. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 500, 195-202 | 5.1 | 17 |
| 121 | Bio-inspired catechol chemistry for electrophoretic nanotechnology of oxide films. *Journal of Colloid and Interface Science*, **2012**, 380, 8-15 | 9.3 | 16 |
| 120 | Pulse Electrosynthesis of MnO2 Electrodes for Supercapacitors. *Advanced Engineering Materials*, **2014**, 16, 760-766 | 3.5 | 16 |
| 119 | The cathodic electrodeposition of manganese oxide films for electrochemical supercapacitors. *Jom*, **2007**, 59, 66-69 | 2.1 | 16 |
| 118 | Photocatalytic activity of electrophoretically deposited TiO2 and ZnO nanoparticles on fog harvesting meshes. *Ceramics International*, **2020**, 46, 3777-3785 | 5.1 | 16 |
| 117 | Surface modification and cathodic electrophoretic deposition of ceramic materials and composites using celestine blue dye. *RSC Advances*, **2014**, 4, 29652 | 3.7 | 15 |
| 116 | Electrophoretic deposition of composite films from solutions of conjugated polymers and their supramolecular complexes with carbon nanotubes. *Materials Letters*, **2012**, 67, 248-251 | 3.3 | 15 |
| 115 | Electrochemical Al2O3–Cr2O3 alloy coatings on non-oxide ceramic substrates. *Journal of Materials Science*, **1997**, 32, 5205-5213 | 4.3 | 15 |
| 114 | Electrophoretic Deposition of Chemically Bonded Ceramics in the System CaO-SiO2-P2O5. *Journal of Materials Science Letters*, **1998**, 17, 2101-2104 | | 15 |
| 113 | Electrodeposition of composite iron oxide–poly(allylamine hydrochloride) films. *Materials Chemistry and Physics*, **2006**, 96, 289-295 | 4.4 | 15 |
| 112 | Electrodeposition of Composite Ceria-Polyethylenimine Films. *Surface Engineering*, **2004**, 20, 43-47 | 2.6 | 15 |
| 111 | Electrophoretic deposition of polymethylmethacrylate and composites for biomedical applications. *Colloids and Surfaces B: Biointerfaces*, **2020**, 188, 110763 | 6 | 15 |
| 110 | Electrophoretic deposition of LiFePO4 for Li-ion batteries. *Materials Letters*, **2019**, 241, 10-13 | 3.3 | 15 |
| 109 | Colloidal strategies for electrophoretic deposition of organic-inorganic composites for biomedical applications. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 516, 219-225 | 5.1 | 14 |
| 108 | Nanostructured ceramic and hybrid materials via electrodeposition. *Jom*, **2002**, 54, 31-34 | 2.1 | 14 |

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| 107 | Application of Cyrene as a solvent and dispersing agent for fabrication of Mn3O4-carbon nanotube supercapacitor electrodes. *Colloids and Interface Science Communications*, **2020**, 34, 100226 | 5.4 | 14 |
| 106 | MXene–carbon nanotube composite electrodes for high active mass asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2021**, 9, 10335-10344 | 13 | 14 |
| 105 | Fabrication of MnO-carbon nanotube composites with high areal capacitance using cationic and anionic dispersants. *Journal of Colloid and Interface Science*, **2018**, 512, 758-766 | 9.3 | 14 |
| 104 | Electrophoretic deposition of materials using humic acid as a dispersant and film forming agent. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 493, 74-82 | 5.1 | 13 |
| 103 | Universal dispersing agent for electrophoretic deposition of inorganic materials with improved adsorption, triggered by chelating monomers. *Journal of Colloid and Interface Science*, **2016**, 462, 1-8 | 9.3 | 13 |
| 102 | Aqueous electrostatic dispersion and heterocoagulation of multiwalled carbon nanotubes and manganese dioxide for the fabrication of supercapacitor electrodes and devices. *RSC Advances*, **2014**, 4, 45481-45489 | 3.7 | 13 |
| 101 | High Areal Capacitance of V2O3–Carbon Nanotube Electrodes. *Journal of the Electrochemical Society*, **2017**, 164, A3620-A3627 | 3.9 | 13 |
| 100 | Electrodeposition of biopolymer films containing haemoglobin. *Surface Engineering*, **2011**, 27, 693-697 | 2.6 | 13 |
| 99 | Electrochemical preparation of composite films containing cationic polyelectrolytes and cobalt hydroxide. *Surface Engineering*, **2005**, 21, 125-130 | 2.6 | 13 |
| 98 | Pseudocapacitive behavior of ferrimagnetic NiFe2O4-carbon nanotube electrodes prepared with a multifunctional dispersing agent. *Open Ceramics*, **2021**, 6, 100127 | 3.3 | 13 |
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