# Erjia Liu

## List of Publications by Year in Descending Order



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| 176 papers | 4,834 citations | 39 h-index | 58 g-index |
| 187 ext. papers | 5,479 ext. citations | 3.6 avg, IF | 5.8 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 176 | Modification of Cold Sprayed CoCrMo Alloy Coatings via Laser Shock Peening. *Lecture Notes in Mechanical Engineering*, **2022**, 185-188 | 0.4 | 1 |
| 175 | Solution and Double Aging Treatments of Cold Sprayed Inconel 718 Coatings. *Coatings*, **2022**, 12, 347 | 2.9 | 1 |
| 174 | Cold Spray of Nickel-Based Alloy Coating on Cast Iron for Restoration and Surface Enhancement. *Coatings*, **2022**, 12, 765 | 2.9 | 1 |
| 173 | Inconel 713C Coating by Cold Spray for Surface Enhancement of Inconel 718. *Metals*, **2021**, 11, 2048 | 2.3 | 5 |
| 172 | Microstructure and mechanical properties of ASTM A131 EH36 steel fabricated by laser aided additive manufacturing. *Materials Characterization*, **2021**, 174, 110949 | 3.9 | 1 |
| 171 | Correlation between the macroscopic adhesion strength of cold spray coating and the microscopic single-particle bonding behaviour: Simulation, experiment and prediction. *Applied Surface Science*, **2021**, 547, 149165 | 6.7 | 6 |
| 170 | Influence of surface porosity on fatigue life of additively manufactured ASTM A131 EH36 steel. *International Journal of Fatigue*, **2021**, 142, 105894 | 5 | 3 |
| 169 | Nanometer-scale precipitations in a selective electron beam melted nickel-based superalloy. *Scripta Materialia*, **2021**, 194, 113661 | 5.6 | 1 |
| 168 | An investigation into microstructure, tribological and mechanical properties of cold sprayed Inconel 625 coatings. *Surface and Coatings Technology*, **2021**, 424, 127660 | 4.4 | 6 |
| 167 | Fatigue behavior of ASTM A131 EH36 steel samples additively manufactured with selective laser melting. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 777, 139049 | 5.3 | 5 |
| 166 | Coupled Eulerian-Lagrangian (CEL) simulation of multiple particle impact during Metal Cold Spray process for coating porosity prediction. *Surface and Coatings Technology*, **2020**, 385, 125433 | 4.4 | 9 |
| 165 | Tribological behavior of cold sprayed Inconel 718 coatings at room and elevated temperatures. *Surface and Coatings Technology*, **2020**, 385, 125386 | 4.4 | 15 |
| 164 | Post-Process Treatments on Supersonic Cold Sprayed Coatings: A Review. *Coatings*, **2020**, 10, 123 | 2.9 | 27 |
| 163 | On the heat-treatment induced evolution of residual stress and remarkable enhancement of adhesion strength of cold sprayed Ti6Al4V coatings. *Results in Materials*, **2020**, 7, 100119 | 2.3 | 7 |
| 162 | Microstructure, mechanical and tribological properties of cold sprayed Ti6Al4V/CoCr composite coatings. *Composites Part B: Engineering*, **2020**, 202, 108280 | 10 | 13 |
| 161 | Revealing competitive columnar grain growth behavior and periodic microstructural banding in additively manufactured Ti-6Al-4 V parts by selective electron beam melting. *Materialia*, **2019**, 7, 100365 | 3.2 | 13 |
| 160 | Improving microstructural and mechanical characteristics of cold-sprayed Inconel 718 deposits via local induction heat treatment. *Journal of Alloys and Compounds*, **2019**, 797, 1268-1279 | 5.7 | 22 |

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| 159 | Wear performance of Y-doped nanolayered CrN/AlN coatings. *Surface and Coatings Technology*, **2019**, 367, 349-357 | 4.4 | 2 |
| 158 | Anisotropic microstructure and mechanical properties of additively manufactured CoCrMo alloy using selective electron beam melting for orthopedic implants. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 765, 138270 | 5.3 | 23 |
| 157 | Evaluation of cold sprayed graphene nanoplatesInconel 718 composite coatings. *Surface and Coatings Technology*, **2019**, 378, 125065 | 4.4 | 14 |
| 156 | Effect of Substrate Surface Roughness on Microstructure and Mechanical Properties of Cold-Sprayed Ti6Al4V Coatings on Ti6Al4V Substrates. *Journal of Thermal Spray Technology*, **2019**, 28, 1959-1973 | 2.5 | 14 |
| 155 | Porous polyaniline/carbon nanotube composite electrode for supercapacitors with outstanding rate capability and cyclic stability. *Composites Part B: Engineering*, **2019**, 165, 671-678 | 10 | 38 |
| 154 | Strategy of incorporating Ni-based braze alloy in cold sprayed Inconel 718 coating. *Surface and Coatings Technology*, **2019**, 358, 1006-1012 | 4.4 | 14 |
| 153 | A highly bendable transparent electrode for organic electrochromic devices. *Organic Electronics*, **2019**, 66, 86-93 | 3.5 | 25 |
| 152 | Effects of Nd:YAG Laser Surface Treatment on Tribological Properties of Cold-Sprayed Ti-6Al-4V Coatings Tested against 100Cr6 Steel under Dry Condition. *Tribology Transactions*, **2019**, 62, 391-402 | 1.8 | 9 |
| 151 | Improvement of densification and microstructure of ASTM A131 EH36 steel samples additively manufactured via selective laser melting with varying laser scanning speed and hatch spacing. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* **2019**, 746, 300-313 | 5.3 | 27 |
| 150 | Deposition characteristics of cold sprayed Inconel 718 particles on Inconel 718 substrates with different surface conditions. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 720, 75-84 | 5.3 | 40 |
| 149 | Process parameter optimization and mechanical properties for additively manufactured stainless steel 316L parts by selective electron beam melting. *Materials and Design*, **2018**, 147, 157-166 | 8.1 | 69 |
| 148 | Carbide precipitation characteristics in additive manufacturing of Co-Cr-Mo alloy via selective electron beam melting. *Scripta Materialia*, **2018**, 143, 117-121 | 5.6 | 45 |
| 147 | Residual stresses in single particle splat of metal cold spray process Numerical simulation and direct measurement. *Materials Letters*, **2018**, 230, 152-156 | 3.3 | 33 |
| 146 | Understanding the microstructural evolution of cold sprayed Ti-6Al-4V coatings on Ti-6Al-4V substrates. *Applied Surface Science*, **2018**, 459, 492-504 | 6.7 | 41 |
| 145 | Tribological Properties of Three-Dimensionally Printed Ti6Al4V Material Via Electron Beam Melting Process Tested Against 100Cr6 Steel Without and With Hanks Solution. *Journal of Tribology*, **2018**, 140, | 1.8 | 7 |
| 144 | Anisotropy and heterogeneity of microstructure and mechanical properties in metal additive manufacturing: A critical review. *Materials and Design*, **2018**, 139, 565-586 | 8.1 | 548 |
| 143 | Influence of Particle Velocity When Propelled Using N2 or N2-He Mixed Gas on the Properties of Cold-Sprayed Ti6Al4V Coatings. *Coatings*, **2018**, 8, 327 | 2.9 | 22 |
| 142 | Effect of coating thickness on microstructure, mechanical properties and fracture behaviour of cold sprayed Ti6Al4V coatings on Ti6Al4V substrates. *Surface and Coatings Technology*, **2018**, 349, 303-317 | 4.4 | 45 |

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| 141 | Effect of substrate surface condition on fatigue behavior of cold sprayed Ti6Al4V coatings. *Surface and Coatings Technology*, **2017**, 320, 452-457 | 4.4 | 44 |
| 140 | Effects of Traverse Scanning Speed of Spray Nozzle on the Microstructure and Mechanical Properties of Cold-Sprayed Ti6Al4V Coatings. *Journal of Thermal Spray Technology*, **2017**, 26, 1484-1497 | 2.5 | 44 |
| 139 | Tribochemical Characterization and Tribocorrosive Behavior of CoCrMo Alloys: A Review. *Materials*, **2017**, 11, | 3.5 | 16 |
| 138 | Adhesion, tribological and corrosion properties of cold-sprayed CoCrMo and Ti6Al4V coatings on 6061-T651 Al alloy. *Surface and Coatings Technology*, **2017**, 326, 291-298 | 4.4 | 38 |
| 137 | Wear and Corrosion Resistance of Thick Ti-6Al-4V Coating Deposited on Ti-6Al-4V Substrate via High-Pressure Cold Spray. *Journal of Thermal Spray Technology*, **2017**, 26, 1393-1407 | 2.5 | 30 |
| 136 | Mechanical, tribological and biological properties of novel 45S5 Bioglass composites reinforced with in situ reduced graphene oxide. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 65, 77-89 | 4.1 | 37 |
| 135 | Effect of Heat Treatment Temperature on Microstructure and Mechanical and Tribological Properties of Cold Sprayed Ti-6Al-4V Coatings. *Tribology Transactions*, **2017**, 60, 1033-1042 | 1.8 | 15 |
| 134 | Large size nitrogen-doped graphene-coated graphite for high performance lithium-ion battery anode. *RSC Advances*, **2016**, 6, 104010-104015 | 3.7 | 10 |
| 133 | Nanostructure Restoration of Thermally Reduced Graphene Oxide Electrode upon Incorporation of Nafion for Detection of Trace Heavy Metals in Aqueous Solution. *Electroanalysis*, **2016**, 28, 2037-2043 | 3 | 4 |
| 132 | A review on the importance of surface coating of micro/nano-mold in micro/nano-molding processes. *Journal of Micromechanics and Microengineering*, **2016**, 26, 013002 | 2 | 40 |
| 131 | Mechanical and tribological properties of Zr-based bulk metallic glass for sports applications. *Materials and Design*, **2016**, 92, 667-673 | 8.1 | 24 |
| 130 | Enhancing electrical and tribological properties of poly(methyl methacrylate) matrix nanocomposite films by co-incorporation of multiwalled carbon nanotubes and silicon dioxide microparticles. *Journal of Polymer Engineering*, **2016**, 36, 23-30 | 1.4 | 6 |
| 129 | Microstructure and Wear Properties of Electron Beam Melted Ti-6Al-4V Parts: A Comparison Study against As-Cast Form. *Metals*, **2016**, 6, 284 | 2.3 | 37 |
| 128 | Synthesis and Crystal Structure Characterization of Oxysilicate Apatites for Stabilization of Sr and Rare-Earth Elements. *Journal of the American Ceramic Society*, **2016**, 99, 1761-1768 | 3.8 | 2 |
| 127 | Tribological Behavior of Nickel-Doped Diamond-Like Carbon Thin Films Prepared on Silicon Substrates via Magnetron Sputtering Deposition. *Tribology Transactions*, **2016**, 59, 845-855 | 1.8 | 5 |
| 126 | Effects of working gas on wear and corrosion resistances of cold sprayed Ti-6Al-4V coatings. *Surface and Coatings Technology*, **2016**, 302, 1-12 | 4.4 | 50 |
| 125 | Memory phenomenon in a lanthanum based bulk metallic glass. *Journal of Alloys and Compounds*, **2016**, 672, 131-136 | 5.7 | 5 |
| 124 | A study on frictional behavior of PMMA against FDTS coated silicon as a function of load, velocity and temperature. *Tribology International*, **2016**, 102, 44-51 | 4.9 | 5 |

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| 123 | Mechanical and Tribological Properties of Cold-Sprayed Ti Coatings on Ti-6Al-4V Substrates. *Journal of Thermal Spray Technology*, **2016**, 25, 715-724 | 2.5 | 23 |
| 122 | Effects of mechanical strength, working temperature and wax lubricant on tribological behavior of polystyrene. *Journal of Polymer Engineering*, **2016**, 36, 723-733 | 1.4 | |
| 121 | Ice nucleation behaviour on sol-gel coatings with different surface energy and roughness. *Physical Chemistry Chemical Physics*, **2015**, 17, 21492-500 | 3.6 | 43 |
| 120 | Thermal, mechanical and tribological properties of polyamide 6 matrix composites containing different carbon nanofillers. *Journal of Polymer Engineering*, **2015**, 35, 367-376 | 1.4 | 11 |
| 119 | Tribological behavior of Zr-based bulk metallic glass sliding against polymer, ceramic, and metal materials. *Intermetallics*, **2015**, 61, 1-8 | 3.5 | 19 |
| 118 | Effects of deep cryogenic treatment on mechanical and tribological properties of AISI D3 tool steel. *Friction*, **2015**, 3, 234-242 | 5.6 | 22 |
| 117 | Low temperature and deformation-free bonding of PMMA microfluidic devices with stable hydrophilicity via oxygen plasma treatment and PVA coating. *RSC Advances*, **2015**, 5, 8377-8388 | 3.7 | 46 |
| 116 | Reduced graphene oxide decorated with tin nanoparticles through electrodeposition for simultaneous determination of trace heavy metals. *Electrochimica Acta*, **2015**, 174, 207-214 | 6.7 | 38 |
| 115 | Glassy carbon electrode modified by graphene–gold nanocomposite coating for detection of trace lead ions in acetate buffer solution. *Thin Solid Films*, **2015**, 584, 85-89 | 2.2 | 37 |
| 114 | A Review on Electrospun Nanofibers-based Electrochemical Sensor. *Current Nanoscience*, **2015**, 11, 710-721 | 1.4 | 13 |
| 113 | Thermal decomposition kinetics of multiwalled carbon nanotube/polypropylene nanocomposites. *Journal of Thermal Analysis and Calorimetry*, **2014**, 117, 63-71 | 4.1 | 21 |
| 112 | Development of sol-gel icephobic coatings: effect of surface roughness and surface energy. *ACS Applied Materials & Interfaces*, **2014**, 6, 20685-92 | 9.5 | 118 |
| 111 | Effects of platinum content on tribological properties of platinum/nitrogen doped diamond-like carbon thin films deposited via magnetron sputtering. *Friction*, **2014**, 2, 64-72 | 5.6 | 9 |
| 110 | Tribological properties of platinum/ruthenium/nitrogen doped diamond-like carbon thin films deposited with different negative substrate biases. *Friction*, **2014**, 2, 317-329 | 5.6 | 5 |
| 109 | Effect of sputtering power on friction coefficient and surface energy of co-sputtered titanium and molybdenum disulfide coatings and its performance in micro hot-embossing. *Microsystem Technologies*, **2014**, 20, 1069-1078 | 1.7 | 6 |
| 108 | Graphene thin film electrodes synthesized by thermally treating co-sputtered nickel–carbon mixed layers for detection of trace lead, cadmium and copper ions in acetate buffer solutions. *Thin Solid Films*, **2013**, 544, 341-347 | 2.2 | 18 |
| 107 | Mechanical and tribological properties of epoxy matrix composites modified with microencapsulated mixture of wax lubricant and multi-walled carbon nanotubes. *Friction*, **2013**, 1, 341-349 | 5.6 | 54 |
| 106 | Graphene ultrathin film electrodes modified with bismuth nanoparticles and polyaniline porous layers for detection of lead and cadmium ions in acetate buffer solutions. *Thin Solid Films*, **2013**, 544, 362-367 | 2.2 | 35 |

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| 105 | Wear behaviour of martensitic NiTi shape memory alloy under ball-on-disk sliding tests. *Tribology International*, **2013**, 66, 219-224 | 4.9 | 25 |
| 104 | Graphene ultrathin film electrode for detection of lead ions in acetate buffer solution. *Talanta*, **2013**, 103, 47-55 | 6.2 | 22 |
| 103 | Thermal, mechanical and tribological properties of polycarbonate/acrylonitrile-butadiene-styrene blends. *Journal of Polymer Engineering*, **2013**, 33, 535-543 | 1.4 | 21 |
| 102 | Nanotribological Phenomena, Principles and Mechanisms for MEMS **2013**, 1-51 | | 1 |
| 101 | Titanium□luminum□olytetrafluoroethylene coated stainless steel micromold via co-sputtering deposition: Replication performance and limitation in hot-embossing. *Sensors and Actuators B: Chemical*, **2012**, 163, 290-298 | 8.5 | 4 |
| 100 | Tribological performance of silicone composite coatings filled with wax-containing microcapsules. *Wear*, **2012**, 296, 575-582 | 3.5 | 48 |
| 99 | Performance and carbon deposition over Pd nanoparticle catalyst promoted Ni/GDC anode of SOFCs in methane, methanol and ethanol fuels. *International Journal of Hydrogen Energy*, **2012**, 37, 15301-15310 | 6.7 | 24 |
| 98 | Carbon nanotube/polypropylene composite particles for microwave welding. *Journal of Applied Polymer Science*, **2012**, 126, E283-E289 | 2.9 | 25 |
| 97 | Effects of rapid thermal annealing on structural, magnetic and optical properties of Ni-doped ZnO thin films. *Current Applied Physics*, **2012**, 12, 834-840 | 2.6 | 32 |
| 96 | Tribological Behavior of Polyurethane Immersed in Acidic Solution. *Tribology Transactions*, **2012**, 55, 401-408 | 1.8 | 20 |
| 95 | Performance and stability of La0.8Sr0.2MnO3 cathode promoted with palladium based catalysts in solid oxide fuel cells. *Journal of Alloys and Compounds*, **2011**, 509, 4781-4787 | 5.7 | 25 |
| 94 | Effect of sputtering power on structure, adhesion strength and corrosion resistance of nitrogen doped diamond-like carbon thin films. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 5292-8 | 1.3 | 2 |
| 93 | Effect of working pressure on corrosion behavior of nitrogen doped diamond-like carbon thin films deposited by DC magnetron sputtering. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 5305-10 | 1.3 | 2 |
| 92 | Investigation of corrosion behavior of nitrogen doped and platinum/ruthenium doped diamond-like carbon thin films in Hanks□ solution. *Materials Science and Engineering C*, **2011**, 31, 1539-1544 | 8.3 | 10 |
| 91 | Hot-embossing performance of silicon micromold coated with self-assembled n-octadecyltrichlorosilane. *Sensors and Actuators B: Chemical*, **2011**, 160, 207-214 | 8.5 | 8 |
| 90 | Investigation of structure, adhesion strength, wear performance and corrosion behavior of platinum/ruthenium/nitrogen doped diamond-like carbon thin films with respect to film thickness. *Materials Chemistry and Physics*, **2011**, 126, 220-226 | 4.4 | 22 |
| 89 | A fundamental study of chromium deposition and poisoning at (La0.8Sr0.2)0.95(Mn1□Cox)O3 □ □ (0.0□x □1.0) cathodes of solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2011**, 36, 805-821 | 6.7 | 51 |
| 88 | Modification of surface properties of silicon micro-molds by nitrogen and silicon doped diamond-like carbon coatings deposited with magnetron co-sputtering. *Vacuum*, **2011**, 85, 1105-1107 | 3.7 | 5 |

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|---|---|---|---|
| 87 | Glassy carbon electrode coated with polyaniline-functionalized carbon nanotubes for detection of trace lead in acetate solution. *Thin Solid Films*, **2011**, 519, 5280-5284 | 2.2 | 43 |
| 86 | Glassy carbon electrode modified by conductive polyaniline coating for determination of trace lead and cadmium ions in acetate buffer solution. *Thin Solid Films*, **2011**, 519, 5285-5289 | 2.2 | 74 |
| 85 | Corrosion behavior of aluminum doped diamond-like carbon thin films in NaCl aqueous solution. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 4767-72 | 1.3 | 13 |
| 84 | Replication performance of Si-N-DLC-coated Si micro-molds in micro-hot-embossing. *Journal of Micromechanics and Microengineering*, **2010**, 20, 045007 | 2 | 27 |
| 83 | Nitrogen-Induced Degradation of Corrosion Resistance of Platinum/Ruthenium/Nitrogen-Doped Diamond-like Carbon Thin Films. *Journal of the Electrochemical Society*, **2010**, 157, C269 | 3.9 | 6 |
| 82 | Non-enzymatic glucose detection using nitrogen-doped diamond-like carbon electrodes modified with gold nanoclusters. *Pure and Applied Chemistry*, **2010**, 82, 2217-2229 | 2.1 | 14 |
| 81 | Enhancement of adhesion strength and corrosion resistance of nitrogen or platinum/ruthenium/nitrogen doped diamond-like carbon thin films by platinum/ruthenium underlayer. *Diamond and Related Materials*, **2010**, 19, 1065-1072 | 3.5 | 12 |
| 80 | Structure, scratch resistance and corrosion performance of nickel doped diamond-like carbon thin films. *Surface and Coatings Technology*, **2010**, 204, 3125-3130 | 4.4 | 32 |
| 79 | Electrochemical behavior of gold nanoparticles modified nitrogen incorporated diamond-like carbon electrode and its application in glucose sensing **2010**, | | 1 |
| 78 | Selected Peer-Reviewed Papers from the 4th International Conference on Technological Advances of Thin Films and Surface Coatings (Thin Films 2008). *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 4548-4550 | 1.3 | 2 |
| 77 | Structure, adhesive strength and electrochemical performance of nitrogen doped diamond-like carbon thin films deposited via DC magnetron sputtering. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 4752-7 | 1.3 | 12 |
| 76 | The high frequency magnetic properties of self assembled Fe□oSiN nanogranular thin films. *Applied Physics A: Materials Science and Processing*, **2010**, 100, 257-263 | 2.6 | 3 |
| 75 | Non-enzymatic hydrogen peroxide detection using gold nanoclusters-modified phosphorus incorporated tetrahedral amorphous carbon electrodes. *Electrochimica Acta*, **2010**, 55, 1971-1977 | 6.7 | 40 |
| 74 | Influence of carbon sputtering power on structure, corrosion resistance, adhesion strength and wear resistance of platinum/ruthenium/nitrogen doped diamond-like carbon thin films. *Surface and Coatings Technology*, **2010**, 205, 853-860 | 4.4 | 18 |
| 73 | Bismuth/Polyaniline/Glassy Carbon Electrodes Prepared with Different Protocols for Stripping Voltammetric Determination of Trace Cd and Pb in Solutions Having Surfactants. *Electroanalysis*, **2010**, 22, 209-215 | 3 | 49 |
| 72 | Stripping voltammetric behavior of nitrogen-doped tetrahedral amorphous carbon thin film electrodes in NaCl solutions. *Thin Solid Films*, **2010**, 518, 4003-4009 | 2.2 | 5 |
| 71 | Improvement in lifetime and replication quality of Si micromold using N:DLC:Ni coatings for microfluidic devices. *Sensors and Actuators B: Chemical*, **2010**, 150, 174-182 | 8.5 | 15 |
| 70 | Structure and corrosion behavior of platinum/ruthenium/nitrogen doped diamondlike carbon thin films. *Journal of Applied Physics*, **2009**, 106, 013506 | 2.5 | 37 |

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| 69 | Effect of Platinum and Ruthenium Incorporation on Voltammetric Behavior of Nitrogen Doped Diamond-Like Carbon Thin Films. *Electroanalysis*, **2009**, 21, 2590-2596 | 3 | 4 |
| 68 | Effect of carbon additive on microstructure evolution and magnetic properties of epitaxial FePt (001) thin films. *Thin Solid Films*, **2009**, 517, 2638-2647 | 2.2 | 5 |
| 67 | Effect of substrate temperature on corrosion performance of nitrogen doped amorphous carbon thin films in NaCl solution. *Thin Solid Films*, **2009**, 517, 4762-4766 | 2.2 | 18 |
| 66 | Direct electrochemical response of glucose at nickel-doped diamond like carbon thin film electrodes. *Journal of Electroanalytical Chemistry*, **2009**, 627, 51-57 | 4.1 | 39 |
| 65 | Linear sweep anodic stripping voltammetry of heavy metals from nitrogen doped tetrahedral amorphous carbon thin films. *Electrochimica Acta*, **2009**, 54, 2890-2898 | 6.7 | 49 |
| 64 | Corrosion behavior of nitrogen doped diamond-like carbon thin films in NaCl solutions. *Corrosion Science*, **2009**, 51, 2158-2164 | 6.8 | 63 |
| 63 | Anti-sticking behavior of DLC-coated silicon micro-molds. *Journal of Micromechanics and Microengineering*, **2009**, 19, 105025 | 2 | 35 |
| 62 | In Situ Synthesis and Characterization of Multi-walled Carbon Nanotube/Prussian Blue Nanocomposite Materials and Application. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 4453-4460 | 1.3 | 11 |
| 61 | Comparison between poly(methyl methacrylate)-carbon black and polyaniline conductive coatings. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 2637-42 | 1.3 | 2 |
| 60 | Cyclic Voltammetric Behavior of Nitrogen-Doped Tetrahedral Amorphous Carbon Films Deposited by Filtered Cathodic Vacuum Arc. *Electroanalysis*, **2008**, 20, 1851-1856 | 3 | 35 |
| 59 | Synthesis and characterization of iron-based alloy nanoparticles for magnetorheological fluids. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, 2030-2038 | 2.8 | 30 |
| 58 | Electrochemical performance of diamond-like carbon thin films. *Thin Solid Films*, **2008**, 516, 5201-5205 | 2.2 | 44 |
| 57 | Ni doped ZnO thin films for diluted magnetic semiconductor materials. *Current Applied Physics*, **2008**, 8, 408-411 | 2.6 | 78 |
| 56 | Micro-DSC and rheological studies of interactions between methylcellulose and surfactants. *Journal of Physical Chemistry B*, **2007**, 111, 6410-6 | 3.4 | 35 |
| 55 | Influence of humidity on the friction of diamond and diamond-like carbon materials. *Tribology International*, **2007**, 40, 216-219 | 4.9 | 31 |
| 54 | Effects of SDS on the sol□el transition of methylcellulose in water. *Polymer*, **2006**, 47, 1372-1378 | 3.9 | 35 |
| 53 | Nanogranular$L 1_0$FePt:C Composite Films for Perpendicular Recording. *IEEE Transactions on Magnetics*, **2006**, 42, 2363-2365 | 2 | 16 |
| 52 | L10 FePt films epitaxially grown on MgO substrates with or without a Cr underlayer. *Journal of Magnetism and Magnetic Materials*, **2006**, 303, e238-e242 | 2.8 | 17 |

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| 51 | Residual stresses of diamond and diamondlike carbon films. *Journal of Applied Physics*, **2005**, 98, 073515 | 2.5 | 32 |
| 50 | Dependence of microstructure and magnetic properties of FePt films on Cr90Ru10 underlayers. *Journal of Magnetism and Magnetic Materials*, **2005**, 285, 443-449 | 2.8 | 19 |
| 49 | Epitaxial L10 FePt films on SrTiO3 (100) by sputtering. *Journal of Crystal Growth*, **2005**, 276, 111-115 | 1.6 | 13 |
| 48 | Release of theophylline from polymer blend hydrogels. *International Journal of Pharmaceutics*, **2005**, 298, 117-25 | 6.5 | 103 |
| 47 | Structural and magnetic properties of nanostructured FePt/MgO granular films. *Thin Solid Films*, **2005**, 474, 141-145 | 2.2 | 18 |
| 46 | Nitrogenated diamond-like carbon films for metal tracing. *Surface and Coatings Technology*, **2005**, 198, 189-193 | 4.4 | 48 |
| 45 | Modulation of preferred orientation and easy axis of magnetic anisotropy in L10 FePt films with Cu buffer layers. *Surface and Coatings Technology*, **2005**, 198, 262-265 | 4.4 | 2 |
| 44 | Controlling the crystallographic orientation and easy axis of magnetic anisotropy in L10 FePt films with Cu additive. *Surface and Coatings Technology*, **2005**, 198, 270-273 | 4.4 | 5 |
| 43 | Structural and magnetic properties of FePt films grown on Cr1-xMox underlayers. *Applied Physics A: Materials Science and Processing*, **2005**, 81, 1485-1490 | 2.6 | 15 |
| 42 | Effect of lattice mismatch on chemical ordering of epitaxial L10 FePt films. *Journal of Applied Physics*, **2005**, 97, 10H303 | 2.5 | 41 |
| 41 | CORROSION STUDY OF HARD DISKS BY OSA AND XPS. *International Journal of Nanoscience*, **2004**, 03, 853-857 | 0.6 | 2 |
| 40 | Compositional depth profile analysis of coatings on hard disks by X-ray photoelectron spectroscopy and imaging. *Surface and Coatings Technology*, **2003**, 176, 93-102 | 4.4 | 4 |
| 39 | Impedance study on electrochemical characteristics of sputtered DLC films. *Thin Solid Films*, **2003**, 426, 258-264 | 2.2 | 44 |
| 38 | Structure of post-annealed ferroelectric PbZrxTi1⊠O3 and SrBi2Ta2O9 thin films. *Thin Solid Films*, **2003**, 424, 79-83 | 2.2 | 1 |
| 37 | Cyclic Voltammetry Studies of Sputtered Nitrogen Doped Diamond-Like Carbon Film Electrodes. *Electroanalysis*, **2002**, 14, 1110-1115 | 3 | 64 |
| 36 | Stripping Voltammetric Analysis of Heavy Metals at Nitrogen Doped Diamond-Like Carbon Film Electrodes. *Electroanalysis*, **2002**, 14, 1294-1298 | 3 | 70 |
| 35 | MICROSTRUCTURE AND ELECTROCHEMICAL BEHAVIOR OF SPUTTERED DIAMOND-LIKE CARBON FILMS. *International Journal of Modern Physics B*, **2002**, 16, 1024-1030 | 1.1 | 3 |
| 34 | TRIBOLOGICAL AND MECHANICAL PROPERTIES OF ALUMINUM CONTAINING TETRAHEDRAL AMORPHOUS CARBON FILMS. *International Journal of Modern Physics B*, **2002**, 16, 946-951 | 1.1 | 2 |

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| 33 | Photografting of argon plasma-treated graphite/PEEK laminate to enhance its adhesion. *Journal of Adhesion Science and Technology*, **2002**, 16, 1883-1900 | 2 | 11 |
| 32 | EIS capacitance diagnosis of nanoporosity effect on the corrosion protection of DLC films. *Diamond and Related Materials*, **2002**, 11, 160-168 | 3.5 | 97 |
| 31 | Ferroelectricity and ferromagnetism in (Pb, La)(Ca, Ti)O3□a0.67Sr0.33MnOx multilayers. *Applied Physics Letters*, **2001**, 78, 3869-3871 | 3.4 | 2 |
| 30 | Ultraviolet and visible Raman studies of nitrogenated tetrahedral amorphous carbon films. *Thin Solid Films*, **2000**, 366, 169-174 | 2.2 | 50 |
| 29 | Characterization of ta-C films prepared by a two-step filtered vacuum arc deposition technique. *Surface and Coatings Technology*, **2000**, 127, 246-250 | 4.4 | 20 |
| 28 | STRUCTURAL AND MECHANICAL PROPERTIES OF AMORPHOUS SILICON-CARBON ALLOY FILMS DEPOSITED BY FILTERED CATHODIC VACUUM ARC TECHNIQUE. *International Journal of Modern Physics B*, **2000**, 14, 315-320 | 1.1 | 10 |
| 27 | Micro-Raman spectroscopic analysis of tetrahedral amorphous carbon films deposited under varying conditions. *Journal of Applied Physics*, **1999**, 86, 6078-6083 | 2.5 | 38 |
| 26 | Electrical behaviour of metal/tetrahedral amorphous carbon/metal structure. *Solid-State Electronics* , **1999**, 43, 427-434 | 1.7 | 20 |
| 25 | Transport of vacuum arc plasma through an off-plane double bend filtering duct. *Thin Solid Films*, **1999**, 345, 1-6 | 2.2 | 67 |
| 24 | Effects of substrate temperature on the properties of tetrahedral amorphous carbon films. *Thin Solid Films*, **1999**, 346, 155-161 | 2.2 | 25 |
| 23 | Optimization of nitrogenated amorphous carbon films deposited by dual ion beam sputtering. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1999**, 64, 6-11 | 3.1 | 3 |
| 22 | The effect of nitrogen on the mechanical properties of tetrahedral amorphous carbon films deposited with a filtered cathodic vacuum arc. *Surface and Coatings Technology*, **1999**, 120-121, 601-606 | 4.4 | 38 |
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