# Raul Gago

List of Publications by Year
in descending order

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| 144 papers | 3,860 citations | 109137 35 h-index | 161609 54 g-index |
| 144 all docs | 144 docs citations | 144 times ranked | 3704 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Soft X-ray absorption study of sputtered tin oxide films. Journal of Alloys and Compounds, 2022, 902, 163768. | 2.8 | 4 |
| 2 | Correlated effects of fluorine and hydrogen in fluorinated tin oxide (FTO) transparent electrodes deposited by sputtering at room temperature. Applied Surface Science, 2021, 537, 147906. | 3.1 | 4 |
| 3 | Highly ordered silicide ripple patterns induced by medium-energy ion irradiation. Physical Review B, 2020, 102, . | 1.1 | 6 |
| 4 | In Situ Monitoring of Alkanethiol Selfâ€Assembly onto Zinc Selenide: The Role of Substrate Pretreatment and Its Implication in Bacterial Attachment. Advanced Materials Interfaces, 2020, 7, 2000848. | 1.9 | 1 |
| 5 | Morphological impact of low-energy Xe<sup>+</sup> irradiation on polycrystalline titanium targets. Journal of Physics: Conference Series, 2020, 1593, 012041. | 0.3 | 1 |
| 6 | Chemical Functionalization of the Zinc Selenide Surface and Its Impact on Lactobacillus rhamnosus GG Biofilms. ACS Applied Materials & Interfaces, 2020, 12, 14933-14945. | 4.0 | 7 |
| 7 | Anomalous Heat Transport in Nanolaminate Metal/Oxide Multilayer Coatings: Plasmon and Phonon Excitations. Coatings, 2020, 10, 260. | 1.2 | 0 |
| 8 | Soft X-ray absorption study of tantalum incorporation in titanium oxide films: Impact of flash-lamp annealing. Ceramics International, 2020, 46, 15772-15778. | 2.3 | 2 |
| 9 | Phase Selectivity in Cr and N Co-Doped TiO2 Films by Modulated Sputter Growth and Post-Deposition Flash-Lamp-Annealing. Coatings, 2019, 9, 448. | 1.2 | 3 |
| 10 | Ultraviolet to infrared downshifting in Ce and Yb co-doped aluminum oxynitride thin films. Journal Physics D: Applied Physics, 2019, 52, 285105. | 1.3 | 0 |
| 11 | Growth of nanocolumnar thin films on patterned substrates at oblique angles. Plasma Processes and Polymers, 2019, 16, 1800135. | 1.6 | 11 |
| 12 | Special issue on surfaces patterned by ion sputtering. Journal of Physics Condensed Matter, 2018, 30, 450301. | 0.7 | 1 |
| 13 | Interconnections between Electronic Structure and Optical Properties of Multilayer Nanolaminate TiAlN/Ag and Al2O3/Ag Coatings. Coatings, 2018, 8, 290. | 1.2 | 1 |
| 14 | Surface morphology of amorphous SiO<sub>2</sub> substrates bombarded with 1.0 MeV Si<sup>+</sup> ions. Journal of Physics Condensed Matter, 2018, 30, 274005. | 0.7 | 2 |
| 15 | Ultraviolet optical excitation of near infrared emission of Yb-doped crystalline aluminum oxynitride thin films. Journal of Applied Physics, 2018, 124, 033102. | 1.1 | 2 |
| 16 | Surface morphology of molybdenum silicide films upon low-energy ion beam sputtering. Journal of Physics Condensed Matter, 2018, 30, 264003. | 0.7 | 10 |
| 17 | Structural impact of chromium incorporation in as-grown and flash-lamp-annealed sputter deposited titanium oxide films. Journal of Alloys and Compounds, 2017, 729, 438-445. | 2.8 | 7 |
| 18 | Strong Room Temperature Blue Emission from Rapid Thermal Annealed Cerium-Doped Aluminum (Oxy)Nitride Thin Films. ACS Photonics, 2017, 4, 1945-1953. | 3.2 | 12 |

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| 19 | Features of electronic and lattice mechanisms of transboundary heat transfer in multilayer nanolaminate TiAlN/Ag coatings. Scientific Reports, 2017, 7, 17078. | 1.6 | 3 |
| 20 | The confinement of phonon propagation in TiAlN/Ag multilayer coatings with anomalously low heat conductivity. Applied Physics Letters, 2016, 108, . | 1.5 | 4 |
| 21 | Structural properties and corrosion resistance of tantalum nitride coatings produced by reactive DC magnetron sputtering. RSC Advances, 2016, 6, 89061-89072. | 1.7 | 65 |
| 22 | Electrochemical behavior of nanocrystalline Ta/TaN multilayer on 316L stainless steel: Novel bipolar plates for proton exchange membrane fuel-cells. Journal of Power Sources, 2016, 322, 1-9. | 4.0 | 74 |
| 23 | Influence of electronic structure, plasmon-phonon and plasmon-polariton excitations on anomalously low heat conductivity in TiAlN/Ag nanoscale multilayer coatings. Current Applied Physics, 2016, 16, 459-468. | 1.1 | 9 |
| 24 | Bonding structure and morphology of chromium oxide films grown by pulsed-DC reactive magnetron sputter deposition. Journal of Alloys and Compounds, 2016, 672, 529-535. | 2.8 | 17 |
| 25 | Nonuniversality due to inhomogeneous stress in semiconductor surface nanopatterning by low-energy ion-beam irradiation. Physical Review B, 2015, 91, . | 1.1 | 44 |
| 26 | Interface-Induced Plasmon Nonhomogeneity in Nanostructured Metal-Dielectric Planar Metamaterial. Journal of Nanomaterials, 2015, 2015, 1-9. | 1.5 | 8 |
| 27 | Ion damage overrides structural disorder in silicon surface nanopatterning by low-energy ion beam sputtering. Europhysics Letters, 2015, 109, 48003. | 0.7 | 13 |
| 28 | Influence of metal co-deposition on silicon nanodot patterning dynamics during ion-beam sputtering. Nanotechnology, 2014, 25, 415301. | 1.3 | 12 |
| 29 | Self-organized nanopatterning of silicon surfaces by ion beam sputtering. Materials Science and Engineering Reports, 2014, 86, 1-44. | 14.8 | 142 |
| 30 | X-ray absorption near-edge structure of hexagonal ternary phases in sputter-deposited TiAlN films. Journal of Alloys and Compounds, 2013, 561, 87-94. | 2.8 | 26 |
| 31 | Atomistic model of ultra-smooth amorphous thin film growth by low-energy ion-assisted physical vapour deposition. Journal Physics D: Applied Physics, 2013, 46, 395303. | 1.3 | 5 |
| 32 | Energy dependence of the ripple wavelength for ion-beam sputtering of silicon: Experiments and theory. , 2013, , . | | 1 |
| 33 | Self-organized surface nanopatterns on Cd(Zn)Te crystals induced by medium-energy ion beam sputtering. Journal Physics D: Applied Physics, 2013, 46, 455302. | 1.3 | 9 |
| 34 | Independence of interrupted coarsening on initial system order: ion-beam nanopatterning of amorphous versus crystalline silicon targets. Journal of Physics Condensed Matter, 2012, 24, 375302. | 0.7 | 22 |
| 35 | Nanopatterning dynamics on Si(100) during oblique 40-keV Ar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:math>erosion with metal codeposition: Morphological and compositional correlation. Physical Review B, 2012, 86, . | 1.1 | 37 |
| 36 | A review of monolithic and multilayer coatings within the boronâ€“carbonâ€“nitrogen system by ion-beam-assisted deposition. Journal of Materials Research, 2012, 27, 743-764. | 1.2 | 16 |

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| 37 | Hydrogen stability in hydrogenated amorphous carbon films with polymer-like and diamond-like structure. Journal of Applied Physics, 2012, 112, . | 1.1 | 24 |
| 38 | Spectroscopic evidence of NOx formation and band-gap narrowing in N-doped TiO2 films grown by pulsed magnetron sputtering. Materials Chemistry and Physics, 2012, 136, 729-736. | 2.0 | 17 |
| 39 | Phase composition and tribomechanical properties of Tiâ€“Bâ€“C nanocomposite coatings prepared by magnetron sputtering. Journal Physics D: Applied Physics, 2012, 45, 375401. | 1.3 | 21 |
| 40 | Stress-induced solid flow drives surface nanopatterning of silicon by ion-beam irradiation. Physical Review B, 2012, 86, . | 1.1 | 92 |
| 41 | Annealing of heterogeneous phase TiO2 films: An X-ray absorption and morphological study. Chemical Physics Letters, 2011, 511, 367-371. | 1.2 | 11 |
| 42 | Spectral evidence of spinodal decomposition, phase transformation and molecular nitrogen formation in supersaturated TiAlN films upon annealing. Acta Materialia, 2011, 59, 6287-6296. | 3.8 | 35 |
| 43 | Identification of Ternary Phases in TiBC/aâ€C Nanocomposite Thin Films: Influence on the Electrical and Optical Properties. Plasma Processes and Polymers, 2011, 8, 579-588. | 1.6 | 10 |
| 44 | Nanoscale pattern formation at surfaces under ion-beam sputtering: A perspective from continuum models. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 894-900. | 0.6 | 49 |
| 45 | Optimized allylamine deposition for improved pluripotential cell culture. Vacuum, 2011, 85, 1071-1075. | 1.6 | 4 |
| 46 | Sublattice-specific ordering of ZnO layers during the heteroepitaxial growth at different temperatures. Journal of Applied Physics, 2011, 110, 113516. | 1.1 | 9 |
| 47 | Ultrasmooth growth of amorphous silicon films through ion-induced long-range surface correlations. Applied Physics Letters, 2011, 98, 011904. | 1.5 | 12 |
| 48 | Towards nanometric resolution in multilayer depth profiling: a comparative study of RBS, SIMS, XPS and GDOES. Analytical and Bioanalytical Chemistry, 2010, 396, 2725-2740. | 1.9 | 79 |
| 49 | Surface Morphology of Heterogeneous Nanocrystalline Rutile/Amorphous Anatase TiO<sub>2</sub> Films Grown by Reactive Pulsed Magnetron Sputtering. Plasma Processes and Polymers, 2010, 7, 813-823. | 1.6 | 19 |
| 50 | Plasma Process. Polym. 9â€10/2010. Plasma Processes and Polymers, 2010, 7, . | 1.6 | 0 |
| 51 | Establishing the mechanism of thermally induced degradation of ZnO:Al electrical properties using synchrotron radiation. Applied Physics Letters, 2010, 96, 141907. | 1.5 | 32 |
| 52 | Mg doping of InGaN layers grown by PA-MBE for the fabrication of Schottky barrier photodiodes. Journal Physics D: Applied Physics, 2010, 43, 335101. | 1.3 | 5 |
| 53 | Depth-resolved analysis of spontaneous phase separation in the growth of lattice-matched AlInN. Journal Physics D: Applied Physics, 2010, 43, 055406. | 1.3 | 33 |
| 54 | Effect of Carbon Incorporation on the Microstructure of BC<sub>x</sub>N (x = 0.25, 1,) Tj ETQq0 0 0 rgBT /Overlock 10 T 2010, 22, 1949-1951. | 3.2 | 21 |

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| 55 | Extended X-ray absorption fine structure (EXAFS) investigations of Ti bonding environment in sputter-deposited nanocomposite TiBC/a-C thin films. IOP Conference Series: Materials Science and Engineering, 2010, 12, 012012. | 0.3 | 4 |
| 56 | Observation and Modeling of Interrupted Pattern Coarsening: Surface Nanostructuring by Ion Erosion. Physical Review Letters, 2010, 104, 026101. | 2.9 | 54 |
| 57 | Tribological study of hydrogenated amorphous carbon films with tailored microstructure and composition produced by bias-enhanced plasma chemical vapour deposition. Diamond and Related Materials, 2010, 19, 1093-1102. | 1.8 | 36 |
| 58 | Transition from smoothing to roughening of ion-eroded GaSb surfaces. Applied Physics Letters, 2009, 94, 193103. | 1.5 | 15 |
| 59 | Breakdown of anomalous channeling with ion energy for accurate strain determination in GaN-based heterostructures. Applied Physics Letters, 2009, 95, 051921. | 1.5 | 5 |
| 60 | Influence of steering effects on strain detection in AlGaInN/GaN heterostructures by ion channelling. Journal Physics D: Applied Physics, 2009, 42, 065420. | 1.3 | 6 |
| 61 | Hydrogen quantification in hydrogenated amorphous carbon films by infrared, Raman, and x-ray absorption near edge spectroscopies. Journal of Applied Physics, 2009, 105, . | 1.1 | 73 |
| 62 | Aluminum incorporation in Ti1â^'xAlxN films studied by x-ray absorption near-edge structure. Journal of Applied Physics, 2009, 105, . | 1.1 | 22 |
| 63 | Electronic structure and conductivity of nanocomposite metal (Au, Ag, Cu, Mo)-containing amorphous carbon films. Solid State Sciences, 2009, 11, 1742-1746. | 1.5 | 32 |
| 64 | Thermal Stability and Oxidation Resistance of Nanocomposite TiC/aâ€Ć Protective Coatings. Plasma Processes and Polymers, 2009, 6, S462. | 1.6 | 12 |
| 65 | Impact of Annealing on the Conductivity of Amorphous Carbon Films Incorporating Copper and Gold Nanoparticles Deposited by Pulsed Dual Cathodic Arc. Plasma Processes and Polymers, 2009, 6, S438. | 1.6 | 9 |
| 66 | Comparative depth-profiling analysis of nanometer-metal multilayers by ion-probing techniques. TrAC - Trends in Analytical Chemistry, 2009, 28, 494-505. | 5.8 | 51 |
| 67 | Self-Organized Surface Nanopatterning by Ion Beam Sputtering. , 2009, , 323-398. | | 46 |
| 68 | Production of nanohole/nanodot patterns on Si(001) by ion beam sputtering with simultaneous metal incorporation. Journal of Physics Condensed Matter, 2009, 21, 224009. | 0.7 | 34 |
| 69 | High-resolution hydrogen profiling in AlGaN/GaN heterostructures grown by different epitaxial methods. Journal Physics D: Applied Physics, 2009, 42, 055406. | 1.3 | 4 |
| 70 | Surface nanopatterns induced by ion-beam sputtering. Journal of Physics Condensed Matter, 2009, 21, 220301. | 0.7 | 28 |
| 71 | Aluminium incorporation in AlxGa1â^'xN/GaN heterostructures: A comparative study by ion beam analysis and X-ray diffraction. Thin Solid Films, 2008, 516, 8447-8452. | 0.8 | 12 |
| 72 | Versatile vacuum chamber forin situsurface X-ray scattering studies. Journal of Synchrotron Radiation, 2008, 15, 414-419. | 1.0 | 11 |

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| 73 | Study of SiN<sub>x</sub>:H<sub>y</sub> passivant layers for AlGaN/GaN high electron mobility transistors. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 518-521. | 0.8 | 1 |
| 74 | Structure and properties of silver-containing a-C(H) films deposited by plasma immersion ion implantation. Surface and Coatings Technology, 2008, 202, 3675-3682. | 2.2 | 87 |
| 75 | Smart modification of magnetron sputtered TiN surfaces for stimulated differentiation. Surface and Coatings Technology, 2008, 203, 905-908. | 2.2 | 3 |
| 76 | X-ray Spectroscopic and Magnetic Investigation of C:Ni Nanocomposite Films Grown by Ion Beam Cosputtering. Journal of Physical Chemistry C, 2008, 112, 12628-12637. | 1.5 | 23 |
| 77 | Tuning the surface morphology in self-organized ion beam nanopatterning of Si(001) via metal incorporation: from holes to dots. Nanotechnology, 2008, 19, 355306. | 1.3 | 63 |
| 78 | Rutherford backscattering spectrometry characterization of nanoporous chalcogenide thin films grown at oblique angles. Journal of Analytical Atomic Spectrometry, 2008, 23, 981. | 1.6 | 5 |
| 79 | Boron carbides formed by coevaporation of B and C atoms: Vapor reactivity,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> and bonding structure. Physical Review B, 2008, 77, . | 1.1 | 42 |
| 80 | Characterization of biofunctional thin films deposited by activated vapor silanization. Journal of Materials Research, 2008, 23, 1931-1939. | 1.2 | 13 |
| 81 | Early stage of ripple formation on Ge(001) surfaces under near-normal ion beam sputtering. Nanotechnology, 2008, 19, 035304. | 1.3 | 35 |
| 82 | Direct spectroscopic evidence of self-formed C60 inclusions in fullerenelike hydrogenated carbon films. Applied Physics Letters, 2008, 92, . | 1.5 | 34 |
| 83 | Photoluminescence enhancement in quaternary III-nitrides alloys grown by molecular beam epitaxy with increasing Al content. Journal of Applied Physics, 2008, 103, 046104. | 1.1 | 13 |
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| 85 | Detection of intrinsic stress in cubic boron nitride films by x-ray absorption near-edge structure: Stress relaxation mechanisms by simultaneous ion implantation during growth. Physical Review B, 2007, 76, . | 1.1 | 11 |
| 86 | In situ x-ray scattering study of self-organized nanodot pattern formation on GaSb(001) by ion beam sputtering. Applied Physics Letters, 2007, 91, . | 1.5 | 29 |
| 87 | The effect of nitrogen incorporation on the bonding structure of hydrogenated carbon nitride films. Journal of Applied Physics, 2007, 101, 063515. | 1.1 | 19 |
| 88 | Interplay between Morphology and Surface Transport in Nanopatterns Produced by Ion-Beam Sputtering. Materials Research Society Symposia Proceedings, 2007, 1059, 1. | 0.1 | 2 |
| 89 | Bonding structure of BCN nanopowders prepared by ball milling. Diamond and Related Materials, 2007, 16, 1450-1454. | 1.8 | 27 |
| 90 | Calibration of nitrogen content for GDOES depth profiling of complex nitride coatings. Journal of Analytical Atomic Spectrometry, 2007, 22, 1512. | 1.6 | 15 |

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| 93 | Universal non-equilibrium phenomena at submicrometric surfaces and interfaces. European Physical Journal: Special Topics, 2007, 146, 427-441. | 1.2 | 28 |
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| 95 | Order enhancement and coarsening of self-organized silicon nanodot patterns induced by ion-beam sputtering. Applied Physics Letters, 2006, 89, 233101. | 1.5 | 53 |
| 96 | Sixfold ring clustering insp2-dominated carbon and carbon nitride thin films: A Raman spectroscopy study. Physical Review B, 2006, 73, . | 1.1 | 70 |
| 97 | Nanometric resolution in glow discharge optical emission spectroscopy and Rutherford backscattering spectrometry depth profiling of metal (Cr, Al) nitride multilayers. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 545-553. | 1.5 | 15 |
| 98 | Structure of MgO/V/MgO(001) thin films studied by the combination of X-ray photoemission and ion beam analysis techniques. Surface Science, 2006, 600, 497-506. | 0.8 | 8 |
| 99 | Optical and compositional analysis of functional SiOxCy:H coatings on polymers. Thin Solid Films, 2006, 515, 2493-2496. | 0.8 | 23 |
| 100 | Hemocompatibility of low-friction boronâ€“carbonâ€“nitrogen containing coatings. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 77B, 179-187. | 1.6 | 24 |
| 101 | Thin Film Growth by Ion-Beam-Assisted Deposition Techniques. , 2006, , 345-382. | | 6 |
| 102 | Synthesis of carbon nitride thin films by low-energy ion beam assisted evaporation: on the mechanisms for fullerene-like microstructure formation. Thin Solid Films, 2005, 483, 89-94. | 0.8 | 15 |
| 103 | Molding and Replication of Ceramic Surfaces with Nanoscale Resolution. Small, 2005, 1, 300-309. | 5.2 | 27 |
| 104 | Fullerenelike arrangements in carbon nitride thin films grown by direct ion beam sputtering. Applied Physics Letters, 2005, 87, 071901. | 1.5 | 23 |
| 105 | Nitrogen incorporation in carbon nitride films produced by direct and dual ion-beam sputtering. Journal of Applied Physics, 2005, 98, 074907. | 1.1 | 6 |
| 106 | Correlation between bonding structure and microstructure in fullerenelike carbon nitride thin films. Physical Review B, 2005, 71, . | 1.1 | 40 |
| 107 | Self-Organized Ordering of Nanostructures Produced by Ion-Beam Sputtering. Physical Review Letters, 2005, 94, 016102. | 2.9 | 212 |
| 108 | Evolution ofsp2networks with substrate temperature in amorphous carbon films: Experiment and theory. Physical Review B, 2005, 72, . | 1.1 | 61 |

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| 109 | Surface nanopatterning of metal thin films by physical vapour deposition onto surface-modified silicon nanodots. Nanotechnology, 2004, 15, S197-S200. | 1.3 | 24 |
| 110 | Structural and chemical characterization of functional SiO[sub x]C[sub y]:H coatings for polymeric lenses. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 2402. | 1.6 | 2 |
| 111 | Spectroscopic ellipsometry investigation of amorphous carbon films with different sp3 content: relation with protein adsorption. Thin Solid Films, 2004, 455-456, 530-534. | 0.8 | 37 |
| 112 | Heavy-ion ERDA and spectroscopic ellipsometry characterization of a SiOC:H layered structure as functional coating on polymeric lenses. Nuclear Instruments & Methods in Physics Research B, 2004, 219-220, 908-913. | 0.6 | 11 |
| 113 | Stress measurement and stress relaxation during magnetron sputter deposition of cubic boron nitride thin films. Thin Solid Films, 2004, 447-448, 131-135. | 0.8 | 16 |
| 114 | Direct Nanopatterning of Metal Surfaces Using Self-Assembled Molecular Films. Advanced Materials, 2004, 16, 405-409. | 11.1 | 42 |
| 115 | In-depth optical and structural study of silver-based low-emissivity multilayer coatings for energy-saving applications. Journal Physics D: Applied Physics, 2004, 37, 1554-1557. | 1.3 | 29 |
| 116 | X-ray diffraction study of stress relaxation in cubic boron nitride films grown with simultaneous medium-energy ion bombardment. Applied Physics Letters, 2004, 85, 5905-5907. | 1.5 | 13 |
| 117 | Tribological properties of ternary BCN films with controlled composition and bonding structure. Diamond and Related Materials, 2004, 13, 1532-1537. | 1.8 | 39 |
| 118 | Efecto del argon en pelÃculas CN<sub>x</sub>H<sub>y</sub> depositadas mediante ECR-CVD. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2004, 43, 491-493. | 0.9 | 0 |
| 119 | Development of interference filters based on multilayer porous silicon structures. Materials Science and Engineering C, 2003, 23, 1043-1046. | 3.8 | 17 |
| 120 | Fine structure at the X-ray absorption Ï€* and Ïƒ* bands of amorphous carbon. Diamond and Related Materials, 2003, 12, 110-115. | 1.8 | 27 |
| 121 | Hydrogen incorporation in CNx films deposited by ECR chemical vapor deposition. Diamond and Related Materials, 2003, 12, 632-635. | 1.8 | 4 |
| 122 | Diagnostics of a N2/Ar direct current magnetron discharge for reactive sputter deposition of fullerene-like carbon nitride thin films. Journal of Applied Physics, 2003, 94, 7059-7066. | 1.1 | 49 |
| 123 | Characterization of the unoccupied and partially occupied states of TTF-TCNQ by XANES and first-principles calculations. Physical Review B, 2003, 68, . | 1.1 | 54 |
| 124 | Direct molding of nanopatterned polymeric films: Resolution and errors. Applied Physics Letters, 2003, 82, 457-459. | 1.5 | 13 |
| 125 | Damage effects from medium-energy ion bombardment during the growth of cubic-boron nitride films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1739-1744. | 0.9 | 3 |
| 126 | Transition from amorphous boron carbide to hexagonal boron carbon nitride thin films induced by nitrogen ion assistance. Journal of Applied Physics, 2002, 92, 5177-5182. | 1.1 | 43 |

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| 127 | Nanopatterning of silicon surfaces by low-energy ion-beam sputtering: dependence on the angle of ion incidence. Nanotechnology, 2002, 13, 304-308. | 1.3 | 61 |
| 128 | X-Ray absorption study of the bonding structure of BCN compounds enriched in carbon by CH4 ion assistance. Diamond and Related Materials, 2002, 11, 1295-1299. | 1.8 | 9 |
| 129 | On the bonding structure of hydrogenated carbon nitrides grown by electron cyclotron resonance chemical vapour deposition: towards the synthesis of non-graphitic carbon nitrides. Diamond and Related Materials, 2002, 11, 1161-1165. | 1.8 | 14 |
| 130 | Thin Films of Molecular Metals TTF-TCNQ. Journal of Solid State Chemistry, 2002, 168, 384-389. | 1.4 | 33 |
| 131 | Deposition of TiN/AlN bilayers on a rotating substrate by reactive sputtering. Surface and Coatings Technology, 2002, 157, 26-33. | 2.2 | 32 |
| 132 | Growth and characterisation of boronâ€“carbonâ€“nitrogen coatings obtained by ion beam assisted evaporation. Vacuum, 2002, 64, 199-204. | 1.6 | 36 |
| 133 | Identification of ternary boronâ€“carbonâ€“nitrogen hexagonal phases by x-ray absorption spectroscopy. Applied Physics Letters, 2001, 78, 3430-3432. | 1.5 | 50 |
| 134 | Detecting with X-ray absorption spectroscopy the modifications of the bonding structure of graphitic carbon by amorphisation, hydrogenation and nitrogenation. Surface Science, 2001, 482-485, 530-536. | 0.8 | 42 |
| 135 | X-Ray absorption studies of cubic boronâ€“carbonâ€“nitrogen films grown by ion beam assisted evaporation. Diamond and Related Materials, 2001, 10, 1165-1169. | 1.8 | 40 |
| 136 | X-Ray absorption studies of bonding environments in graphitic carbon nitride. Diamond and Related Materials, 2001, 10, 1170-1174. | 1.8 | 30 |
| 137 | Hardening Mechanisms in Graphitic Carbon Nitride Films Grown with N2/Ar Ion Assistance. Chemistry of Materials, 2001, 13, 129-135. | 3.2 | 35 |
| 138 | Choice of boronâ€“carbonâ€“nitrogen coating material for electron emission based on photoelectric yield measurements during x-ray absorption studies. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1358. | 1.6 | 7 |
| 139 | Production of ordered silicon nanocrystals by low-energy ion sputtering. Applied Physics Letters, 2001, 78, 3316-3318. | 1.5 | 226 |
| 140 | Boronâ€“carbonâ€“nitrogen compounds grown by ion beam assisted evaporation. Thin Solid Films, 2000, 373, 277-281. | 0.8 | 28 |
| 141 | Spectroscopy of Ï€ bonding in hard graphitic carbon nitride films: Superstructure of basal planes and hardening mechanisms. Physical Review B, 2000, 62, 4261-4264. | 1.1 | 68 |
| 142 | Bonding and hardness in nonhydrogenated carbon films with moderate sp3 content. Journal of Applied Physics, 2000, 87, 8174-8180. | 1.1 | 57 |
| 143 | Effect of the substrate temperature on the deposition of hydrogenated amorphous carbon by PACVD at 35 kHz. Thin Solid Films, 1999, 338, 88-92. | 0.8 | 32 |
| 144 | Influence of ion current on the growth of carbon films by ion-beam-assisted deposition. Diamond and Related Materials, 1999, 8, 1944-1950. | 1.8 | 5 |