





Thin Solid Films 471 (2004) 344-348



## Subject Index of Volume 471

253

Pulsed laser deposition of cobalt ferrite in a reactive  $O_2:N_2$  atmosphere: effect of the deposition pressure and temperature, 40

#### AAO film

Photoluminescence behaviors of morin-human immunoglobulin on porous anodized aluminum oxide films, 264

#### Adhesion

A modified blister test to study the adhesion of thin coatings based on local helium ion implantation, 170

#### AES

Preparation and conducting performance of LaNiO<sub>3</sub> thin film on Si substrate, 48

#### Alkylsilane

Self-assembled monolayer and multilayer thin films on aluminum 2024-T3 substrates and their corrosion resistance study, 177

#### Alloy

Self-assembled monolayer and multilayer thin films on aluminum 2024-T3 substrates and their corrosion resistance study, 177

#### Aluminium

Composition and density of non-thickness-limited anodic films on aluminium and tantalum, 118

#### Aluminium alloy

Self-assembled monolayer and multilayer thin films on aluminum 2024-T3 substrates and their corrosion resistance study, 117

#### Aluminum nitride

Interface study of AlN grown on Si substrates by radio-frequency magnetron reactive sputtering, 336

#### Amorphous

The effect of saccharin addition on the mechanical properties and fracture behavior of electroless Ni-Cu-P deposit on Al, 186

#### Amorphous materials

Structural, electric and kinetic parameters of ternary alloys of GeSbTe, 243

#### Amorphous silica

Variations in the physico-chemical properties of near-stoichiometric silica deposited from SiH<sub>4</sub>-N<sub>2</sub>O and SiH<sub>4</sub>-N<sub>2</sub>O-He radiofrequency discharges, 53

#### Anisotropy

Anisotropic magnetoresistance in La<sub>0.67</sub>Ca<sub>0.33</sub>MnO<sub>3</sub>/YBa<sub>2</sub>Cu<sub>4</sub>O<sub>8</sub>/La<sub>0.67</sub>Ca<sub>0.33</sub>MnO<sub>3</sub> trilayer films, 287

#### Annealing

Ferroelectric properties of neodymium-doped Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub> thin films crystallized in different environments, 35

Raman spectroscopic studies of the formation processes of cobalt silicide thin films, 257

#### Anodic films

Composition and density of non-thickness-limited anodic films on aluminium and tantalum, 118

#### Anodizing

Composition and density of non-thickness-limited anodic films on aluminium and tantalum, 118

#### Atomic force microscopy (AFM)

Quantitative analysis of electrodeposited tin film morphologies by atomic force microscopy, 76

Structure of a thin barrier film deposited from tetrakis-(dimethylamino)titanium onto a Si(100)-2x1 substrate, 159

#### Auger electron spectroscopy (AES)

Structure of a thin barrier film deposited from tetrakis-(dimethylamino)titanium onto a Si(100)-2x1 substrate, 159

#### Barium titanate

Nanostructured barium titanate thin films from nanoparticles obtained by an emulsion precipitation method, 134

#### Cadmium telluride

CdTe polycrystalline films for X-ray digital imaging applications, 304

## Capacitor

Fabrication of ultrathin IrO<sub>2</sub> top electrode for improving thermal stability of metal-insulator-metal field emission cathodes, 236

## Carbon

Preparation of carbon thin films from five-membered heterocyclic organic compounds by chemical vapor deposition, 128

Root growth of multi-wall carbon nanotubes by MPCVD1, 140

Characterization and thermal stability of iodinated amorphous conducting carbon films, 252

#### Carbon nitrid

Electronic structure of carbon nitride thin films studied by X-ray spectroscopy techniques, 19

#### Ceramics

A modified blister test to study the adhesion of thin coatings based on local helium ion implantation, 170

#### Cerium oxide

The growth of ultra-thin epitaxial  $CeO_2$  films on r-plane sapphire, 320

#### Chemical vapor deposition

Metal-organic chemical vapor deposited copper interconnects for deep submicron integrated circuits, 270

## Chemical vapor deposition (CVD)

Preparation of carbon thin films from five-membered heterocyclic organic compounds by chemical vapor deposition, 128

#### Coating

Preparation of carbon thin films from five-membered heterocyclic organic compounds by chemical vapor deposition, 128

Composition and mechanical properties of hard ceramic coating containing  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> produced by microarc oxidation on Ti–6Al–4V alloy, 194

#### Coatings

Fabrication and characterization of direct patterning ferroelectric  $Sr_{0.9}Bi_{2.1}Ta_2O_9$  thin films by photosensitive sol-gel solution, 12

Contact-driven delamination and spalling of coatings due to cyclic shock heating, 200

Advanced fragmentation stage of oxide coating on polymer substrate under biaxial tension, 209

#### Cobalt

Raman spectroscopic studies of the formation processes of cobalt silicide thin films, 257

#### Cobalt ferrite

Pulsed laser deposition of cobalt ferrite in a reactive O<sub>2</sub>:N<sub>2</sub> atmosphere: effect of the deposition pressure and temperature, 40

#### Colossal magnetoresistance

Anisotropic magnetoresistance in  $La_{0.67}Ca_{0.33}MnO_3/YBa_2Cu_4O_8/La_{0.67}Ca_{0.33}MnO_3$  trilayer films, 287

#### Computer simulation

Contact-driven delamination and spalling of coatings due to cyclic shock heating, 200

#### Conductivity

Optical and electrical investigations of poly(*p*-phenylene vinylene)/silicon oxide and poly(*p*-phenylene vinylene)/titanium oxide nanocomposites, 230

#### Contact

Contact-driven delamination and spalling of coatings due to cyclic shock heating, 200

#### Copper

Barrier layer, geometry and alloying effects on the microstructure and texture of electroplated copper thin films and damascene lines, 63

Metal-organic chemical vapor deposited copper interconnects for deep submicron integrated circuits, 270

## Corrosion

Self-assembled monolayer and multilayer thin films on aluminum 2024-T3 substrates and their corrosion resistance study, 177

#### Counter-electrode

The CeO<sub>2</sub>-TiO<sub>2</sub>-ZrO<sub>2</sub> sol-gel film: a counter-electrode for electrochromic devices, 100

## Cross-linked phthalocyanine polymer

Preparation of a novel class of phthalocyanine containing cross-linked polymers and their thin films, 96

## Crystalline seeds

Dielectric properties of lead zirconate titanate thin films seeded with barium strontium titanate nanoparticles, 71

#### Crystallites

Faceting characterization of tin dioxide nanocrystals deposited by spray pyrolysis from stannic chloride water solution, 310

## Crystallization

Ferroelectric properties of neodymium-doped  ${\rm Bi_4Ti_3O_{12}}$  thin films crystallized in different environments, 35

Structural, electric and kinetic parameters of ternary alloys of GeSbTe, 243

#### Crystallization temperature

Dielectric properties of lead zirconate titanate thin films seeded with barium strontium titanate nanoparticles, 71

## Crystallographic texture

Barrier layer, geometry and alloying effects on the microstructure and texture of electroplated copper thin films and damascene lines, 63

#### Deep traps

Profiling of deep traps in silicon oxide-nitride-oxide structures, 166 Delamination and spalling

Contact-driven delamination and spalling of coatings due to cyclic shock heating, 200

#### Deposition process

Porosity control in zig-zag vapor-deposited films, 1

#### Depth profiling

Structure of a thin barrier film deposited from tetrakis-(dimethylamino)titanium onto a Si(100)-2x1 substrate, 159

#### Dielectric

Effect of silylation on triethoxyfluorosilane xerogel films by means of atmospheric pressure drying, 145

#### Dieletrics

Nanostructured barium titanate thin films from nanoparticles obtained by an emulsion precipitation method, 134

#### Dielectric properties

Ferroelectric properties of neodymium-doped  $Bi_4Ti_3O_{12}$  thin films crystallized in different environments, 35

Dielectric properties of lead zirconate titanate thin films seeded with barium strontium titanate nanoparticles, 71

#### Direct patterning

Fabrication and characterization of direct patterning ferroelectric  $Sr_{0.9}Bi_{2.1}Ta_2O_9$  thin films by photosensitive sol–gel solution, 12

#### Dissociatio

Etching characteristics and mechanisms of  $SrBi_2Ta_2O_9$  thin films in  $CF_4/Ar$  and  $Cl_2/Ar$  inductively coupled plasmas, 328

#### Electrical properties

Humidity effects on the electrical properties of hexagonal boron nitride thin films, 277

#### Electrical properties and measurement

Metal-organic chemical vapor deposited copper interconnects for deep submicron integrated circuits, 270

Structural, electric and kinetic parameters of ternary alloys of GeSbTe, 243

Characterization and thermal stability of iodinated amorphous conducting carbon films, 252

## Electrochemistry

Quantitative analysis of electrodeposited tin film morphologies by atomic force microscopy, 76

#### Electrochromic devices

The CeO<sub>2</sub>-TiO<sub>2</sub>-ZrO<sub>2</sub> sol-gel film: a counter-electrode for electrochromic devices, 100

## Electroless Ni-Cu-P

The effect of saccharin addition on the mechanical properties and fracture behavior of electroless Ni-Cu-P deposit on Al, 186

## Electron backscatter diffraction (EBSD)

Barrier layer, geometry and alloying effects on the microstructure and texture of electroplated copper thin films and damascene lines, 63 Electron temperature

Etching characteristics and mechanisms of SrBi<sub>2</sub>Ta<sub>2</sub>O<sub>9</sub> thin films in CF<sub>4</sub>/Ar and Cl<sub>2</sub>/Ar inductively coupled plasmas, 328

## Electronic devices

Optical and electrical investigations of poly(p-phenylene vinylene)/silicon oxide and poly(p-phenylene vinylene)/titanium oxide nanocomposites. 230

Pulsed laser deposition of LaNiO<sub>3</sub> and  $YBa_2Cu_3O_{7-\delta}/LaNiO_3$  on SrTiO<sub>3</sub> buffered (100) MgO, 248

#### **Epitaxy**

Fabrications of dispersive gold one-dimensional nanocrystals using vacuum evaporation, 91

#### Etch rate

Etching characteristics and mechanisms of  $SrBi_2Ta_2O_9$  thin films in  $CF_4/Ar$  and  $Cl_2/Ar$  inductively coupled plasmas, 328

## Download English Version:

# https://daneshyari.com/en/article/9813112

Download Persian Version:

https://daneshyari.com/article/9813112

<u>Daneshyari.com</u>