

Publicaciones

Centro de Física Aplicada y Tecnología Avanzada de la UNAM (Informe de Actividades 2010-2011)

Dra. Susana Vargas Muñoz

Silica nano-particles produced by worms through a bio-digestion process of rice husk

M. Estevez, S. Vargas, V. M. Cstaño, R Rodríguez
Journal of Non-Crystalline solids ,355(2009) 844-850

Mechanical, chemical and acoustic properties of new hybrid ceramic-polymer varnishes for musical instruments

Rogelio Rodríguez, Elsa arteaga, Domingo Rangel, Rubi Salazar, Susana Vargas, Miriam Estevez
Journal of Non-Crystalline Solids ,355(2009) 132-1403

Porous hydroxyapatite-based obturation materials for dentistry

W. Brostow, M. Estevez, H. Hagg, R. Rodríguez, S. Vargas
J. Mater. Res. ,23(2008) 1587-1596

Hap-Based Porous Material with Potential Application as Bio-Packages for MEMS

Rogelio Rodríguez, Miriam Estevez, Susana Vargas, Rubi Salazar, Fidel Pacheco
J Mater Sci-Mater Electron ,19(2008) 646-652

Drying kinetics and segregation in a two-component anti-adherent coating studied by photoluminescence and Raman spectroscopy

R. Rodríguez, S. Jiménez-Sandoval, M. Estevez, S. Vargas
Journal of Non-Crystalline Solids ,354(2008) 3623-3629

Novel Wear Resistant and Low Toxicity Dental Obturation Materials

Miriam Estevez, Susana Vargas, Victor M. Castaño, J. Rogelio Rodríguez, Haley E. Hagg Lobland,
Witold Brostow
Mater. Lett ,61(2007) 3025-3029

Defect-induced Luminescence in Sol-Gel Silica Samples Doped with Co(II) at Different Concentrations

S. Jimenez-Sandoval, M. Estevez, S. Pacheco, S. Vargas, R. Rodriguez
Materials Science and Engineering B ,145(2007) 97-102

Scratch resistance of different silica filled resins for obturation materials

B. Bilyeu, W. Brostow, L. Chudej, M. Estevez, H. E. Hagg Lobland, J. R. Rodriguez and S. Vargas
Materials Research innovations ,11(2007) 65-67

Photo-quenched luminescence in Co(II)-doped sol-gel zirconia

R. Rodríguez, S Jiménez-Sandoval, M. Estevez, S. Pacheco, S. Vargas
J Sol-Gel Sci Technol ,44(2007) 97-104

Physicochemical Modification of EDTA Solutions to Improve the Smear Layer Removal in Dental Applications

R. Rodríguez, M. Estevez, S. Vargas, S. Pacheco
Material Letter ,60(2006) 1736-1739

Abrasion Properties of alkyd-and acrylic-based polymer-ceramic nano-hybrid coatings on wood surfaces

Rogelio Rodríguez, Susana Vargas, Efrain Rubio, Sadott Pacheco Miriam Estevez
Materials Research Innovation ,10(2006) 48-50

Characterization of Novel Dental Obturation Materials

M. Estevez, S. Vargas, H. Hagg Lobland, A de la Isla, W. Brostow, R. Rodríguez
Mater. Res. Innov. ,10(2006) 411-414

Defec-Induced Luminescence in Co(II)-doped Anatase TiO₂ Prepared by the Sol-Gel Method

R. Rodríguez, S. Jiménez-Sandoval, M. Estévez and S.Vargas
J. Non-Crys. Solids ,351(2005) 167-172

Kinetic of Drying Process of an Anti-Adherent Coating Using Photothermal Radiometry and Micro-Raman

Delia M. Hurtado-Castañeda, Jair Fernández, Rubén Velásquez, Miriam Estévez, S. Vargas, R. Rodríguez and M. E. Rodríguez
J. Phys. IV France ,125(2005) 593-596

Hydrophobic Modification of an Expansive Soil Using Polymers and Organic Compounds: A Comparative Study with Lime

J. Hernández, S. Vargas, M. Estévez, A. Zepeda and R. Rodríguez
Geotechnique ,55(2005) 613-616

A Novel Dental Material With a High Scratch Resistance

Miriam Estevez, Susana Vargas, Agustín de la Isla, Witold Brostow, Victor M. Castaño, Rogelio Rodríguez
Materials Research Innovations ,9(2005) 512-515

Preparation and Behavior of a stain-Protecting Hybrid Coating for Teeth.

de la Isla, A., Estevez, M., Vargas S., Rodriguez, R. Castano, V.
Intern. J. Polym. Mater. ,53(2004) 645-651

Synthesis and Characterization of a Wear-Resistant Hybrid Polymer-Ceramic Coating for Dental Applications

de la Isla Leon, A., Estéves, M., Vargas, S., Castaño, M. and Rodríguez, R
Intern. J. Polym. Mater ,53(2004) 1-14

Nanohybrid Scratch Resistant Coatings for Teeth and Bone Viscoelasticity Manifested in Tribology

de la Isla Leon, A., Rodríguez, R., Estéves, M., Vargas, S., Witold, W. and Castaño, M
Mater. Res. Innov ,7(2003) 110-114

Hybrid Ceramic-Polymer Material for Wood Coating with High Wearing Resistance

R. R. Rodríguez, M. Estévez, S. Vargas and M.A Mondragón
Mater. Res. Innov. ,7(2003) 80-84

Hybrid Ceramic-Polymer Coating Used to Protect Metallic Surfaces Again Corrosion

Estevez, M., Vargas, S., Castaño, V., Rodríguez, R
Intern. J. Polym. Mater ,52(2003) 845-859

Raman Studies on Laser Induced Crystalization of Co(II) Doped Titania: Effect of the Dopant Concentration

M.A. Camacho-López, S. Vargas, R.Arroyo, E. Haro-Poniatowski and R. Rodríguez
Optical Mater ,20(2002) 43-50

Fractal Characterization of Silica Sol Prepared By the Sol-Gel Method: From the Sol Formation to the Flocculation Process.

Rodriguez R., Rojas, G., Estevez, M., Vargas S.
J. Sol-Gel Sci. Tech. ,23(2002) 1-7

Low-Impedance and Low-Loss Customized Materials for Air-Coupled Piezoelectric Transducers.

Gomez,T.E., Montero,F., Molins,E., Moner-Girona,M., Roing,A., Rodriguez,R., Vargas,S. and Estevea,M.

Proceedings of the 2001 IEEE Ultrasonic Symposium (2001).

Micro-Raman Characterization of Anisotropic Dimethyl Terephthalate Crystallites

R. Rodríguez, S. Jiménez, S. Vargas, S. Pacheco and V.M. Castaño

International Journal of Polymeric Materials ,49(2001) 1-13

Crystalline Structure Determination of Anisotropic Dimethyl Terephthalate Crystallites

R. Rodríguez, S. Jiménez, S. Vargas and V.M. Castaño

J. Mater.Res. ,15(2000) 1397-1403

Effects of Cationic Dopants on the Phase Transition Temperatures of Titania Prepared by the Sol-Gel Method

S. Vargas, R. Arroyo, E. Haro and R. Rodríguez

J. Mater. Res. ,14(1999) 3932-3937

Reverse Micelle Systems Composed of Water, Triton X-100 and Phospholipids in Organic Solvents. 1.- Phase Boundary Titration and Dynamic Light Scattering Analysis

R. Rodríguez, S. Vargas, and D.A. Fernandez-Velasco

Journal of Colloid and Interface Science ,197(1998) 29-35

Reverse Micelle Systems Composed of Water, Triton X-100 and Phospholipids in Organic Solvents. 2.- Phase Behavior in Enzyme Catalysis and Thermostability

D.A. Fernández-Velasco, R. Rodríguez, S. Vargas, M. Tuena de Gómez-Poyou, A. Gómez-Poyou

Journal of Colloid and Interface Science ,197(1998) 29-35

Modification of the Phase Transitions Temperatures in Titania Doped with Several Cations

R. Arroyo, S. Vargas, E. Haro, R. Montiel and R. Rodríguez

J. Mater. Res. ,12(1997) 439-443

Laser Induced Crystallization of Co(II) Doped Titania

E. Haro, S. Vargas, R. Arroyo, and R. Rodríguez

Mat. Res. Bull ,31(1996) 329-334