REFERENCIAS Y BIBLIOGRAFÍA

REFERENCIAS

[1] Raman C.V., Krishnan K.S., A new type of Secondary Radiation, Nature, 121, 619, 1928.

[2] Dubessy J., Lhomme T., Boiron M.C., and Rull F., Determination of Chlorinity in Aqueous Fluids Using Raman Spectroscopy of the Stretching Band of Water at Room Temperature: Application to Fluid Inclusions, Applied Spectroscopy, 56, 99, 2002.

[3] Berg J.M., Rau K.C., Veirs D.K., Worl L.A., McFarlan J.T., Hill D.D., Performance of Fiber-Optic Raman Probes for Analysis of Gas Mixtures in Enclosures, Applied Spectroscopy, 56, 83, 2002.

[4] Cho K., Jang Y.S., Gong M-S., Kim K., and Joo S-W., Determination of Cyanide Species in Silver and Gold Plating Solutions by Raman Spectroscopy, Applied Spectroscopy, 56, 1147, 2002.

[5] Kontoyannis C.G., Bouropoulos N.Ch., and Koutsoukos P.G., Use of Raman Spectroscopy for the Quantitative Analysis of Calcium Oxalate Hydrates: Application for the Analysis of Urinary Stones, Applied Spectroscopy, 51, 64, 1997.

[6] Clark R.J.H., Pigment Identification on Medieval Manuscripts by Raman Microscopy, Journal of Molecular Structure, 347, 417, 1995.

[7] Roy A., Artists' Pigments, A Handbook of their history and Characteristics, Volume 2. Ashok Roy Editor, 1993.

[8] Coupry C., "Application of Raman microspectrometry to art objects", Analusis, 28, 39, 2000.

[9] Coupry C, Lautié A., and Revault M., Contribution of Raman Spectroscopy to Art and History, Journal of Raman Spectroscopy, 25, 89, 1994.

[10] Burgio L., Clark R.J.H., Stratoudaki T., Doulgeridis M. and Anglos D., Pigment Identification in Painted Artworks: A Dual Analytical Approach Employing Laser-Induced Breakdown Spectroscopy and Raman Microscopy, Applied Spectroscopy, 54, 463, 2000.

[11] Vandenabeele P., Wehling B., Moens L., Edwards H., De Reu M., Van Hooydonk G., Analysis with micro-Raman spectroscopy of natural organic binding media and varnishes used in art, Anal. Chim. Acta, 407, 261, 2000.

[12]Castillejo M., Martín M., Oujja M., Silva D., Torres R., Domingo C., García-Ramos J.V., Sánchez-Cortés S., Spectroscopic Analysis of Pigments and Binding Media of Polychromes by Combination of Optical Laser-Based and Vibrational Techniques, Applied Spectroscopy, 55, 992, 2001.

[13]Castro K., Fernández L.A., Rodríguez-Laso M.D., Madariaga J.M., Análisis de los Pigmentos presentes en unas muestra de Papeles Pintados del mediados del s.XIX mediante FT-Raman, otónica y Arte XXI, 3, 13, 2002.

[14]McKim-Smith G., Andersen-Bergdoll G., Newman R., Examining Velazquez, Yale University Press: New Haven and London, 1988.

[15]Sandalinas C., Ruiz-Moreno S., Soneira M.J., Pérez-Pueyo R. y Sierra F.J., Estudio analítico no-destrutivo, mediante espectroscopía Raman, del Retablo de San Antolín y San Bernabé del escultor Manuel Álvarez, Fotónica y Arte'98, 17, 2000.

[16]Ruiz-Moreno S., Yúfera J.M., Soneira M.J., Sierra F.J., y Pérez-Pueyo R., Non-destructive and In-Situ Analysis of a XVI Century Map by Optical Fibre Raman Spectroscopy, Lacona III Abstract Book, 59, 1999.

[17]Mc Creery R.L., Raman Spectroscopy for Chemical Analysis, Volume 157 in Chemical Analysis, A. John Wiley & Sons, 2000.

[18]Pelletier M.J., Analytical Applications of Raman Spectroscopy, Blackwell Science, 1999.

[19]Zhang D., and Ben-Amotz D., Removal of Cosmic Spikes from Hyper-Spectral Images using Hybrid Upper-bound Spectrum Method, Applied Spectroscopy, 56, 91, 2002.

[20]Yen J., Langari R., Fuzzy Logic Intelligence, Control and Information, Prentice Hall, Upper Saddle River, New Jersey, 1999.

[21]Kosko B., Pensamiento Borroso. La nueva ciencia de la lógica borrosa. Barcelona Crítica D.L., 1995.

[22]Russo F., Ramponi G., A Fuzzy Filter for images corrupted by Impulse Noise, IEEE Signal Processing Letters, 3, 168, 1996.

[23]Ramos P.M., Ferré J., Ruisánchez I., Andrkopoulus K.S., Fuzzy Logic for Identifying Pigments Studied by Raman Spectroscopy, Applied Spectroscopy, 58, 7, 848, 2004.

[24]Raman C.V., Nature, 108, 367,1921.

[25]C.V. Raman, K.S. Krishnan, A new type of Secondary Radiation, Nature, 121, 619, 1928.

[26]Guineau B., L'étude des pigments par les moyens de la Microspéctrometrie Raman, Spectrochimica Acta Part A 53 ,2159-79, 1997.

[27]Contreras J.G., Espectroscopía Raman y estructura molecular, UNESCO, 1, 1987.

[28]Turrell G., Raman microscopy developments and applications, London Academic Press, 1, 1996.

[29]http://www.ictp.csic.es/ramanft/raman9.htm

[30]http://www.fis.puc.cl/~raman/aplica1.htm

[31]S. Ruiz-Moreno, J.M. Yúfera, M.J. Manzaneda, M.J. Soneira, P. Morillo, T. Jawhari, La Ciencia al Servicio del Arte. La Espectroscopía Raman Aplicada a la Identificación de Pigmentos, Mundo Electrónico, 265, 1996.

[32]Breitman M., Ruiz-Moreno S., Pérez-Pueyo R., Study of Raman Spectra of Pigment Mixtures, Journal of Cultural Heritage, 4, 314s, Ed. Elsevier SAS, 2003.

[33]Best S.B., Clark R.J.H., Daniels M.A.M., Porter C. A., and Withnall R., Identification by Raman Microscopy and Visible Reflectance Spectroscopy of Pigments on an Icelandic Manuscript, Studies in Conservation, 40, 31, 1995.

[34]Pelletier M.J., Quantitative analysis using Raman Spectrometry. Applied Spectroscopy, Vol. 57, 1, 20A, 2003.

[35]Rendell D., Fluorescence and phosphorescence spectroscopy, Col. Analytical Chemistry by Open Learning, Nov. 1995.

[36]Rey Sendón A., Reducción de ruido cósmico en Espectroscopía Raman. Aplicación a la identificación de pigmentos, Proyecto fin de carrera, Director José M. Yúfera, 12, 1996.

[37]Sierra J., Caracterización experimental de un sistema de Espectroscopía Raman con Tecnología de Fibra óptica, Proyecto Fin de Carrera, Director Sergio Ruiz-Moreno, Capítulo 2, 1998.

[38]http://nodo.uagrm.edu.bo/inf-050.uagrm.edu.bo/2002/m/gm08/_private/Practico5Laser.htm

[39]Ruiz-Moreno S., Sierra F.J., Soneira M.J., Pérez R., Yúfera J., Breitman M., Manzaneda M., Sistema de Espectroscopía Raman con Tecnología de Fibra Óptica: Aplicación a la Identificación de Pigmentos, Fotónica y Arte 98, 1, 1999.

[40]Ruiz-Moreno S., Pérez-Pueyo R., Soneira M.J., Gabaldón A., Breitman M., Sandalinas C., Performances of a Fiber Optic Raman System: Importance of the Interferential Filter in Art Applications, Proceedings of SPIE, 4402, 2001.

[41]http://www.unirioja.es/dptos/dq/fa/color/capitulo05.doc

[42]López-Gil A., Aplicaciones del láser al análisis y tratamiento de obras de arte, Proyecto Fin de Carrera, Director Sergio Ruiz-Moreno, Capítulo 1, 2003.

[43]Fernández M., García Ll., Nuevas prestaciones en análisis de obras de arte con espectroscopia Raman: Laser IR sintonizable, Proyecto fin de carrera, Director A. Gabaldón, 2004.

[44]http://www.madrimasd.org/culturaCientifica/ateneo/temascandentes/ciencia_fuzzy/default.asp

[45]Trillas E.y Gutierrez Ríos J., Aplicaciones de la lógica borrosa, 1992.

[46]www.puntolog.com/actual/ESPECIAL_LOGICA_BORROSA

[47]www.astic.es/nr/astic/boletic-todos/ boletic24/artimono2.pdf, Olivas Varela J.A., La lógica borrosa y sus aplicaciones.

[48]Mendel J. M., Fuzzy Logic Systens for Engineering: A Tutorial, Proceedings of the IEEE, Vol 83, 3, 345, March 1995.

[49]Trillas E., Alsina C., Terricabras J.M., Introducción a la lógica borrosa, Ariel, Barcelona, 1995.

[50]Trillas E. y Jacas J., Seminario: Los Fuzzy sets, un útil para representar conocimiento impreciso, Departamento de T.S.C., E.T.S.E.T.B., U.P.C., 16,17 y 18 de Febrero de 1999.

[51]Roger J. S., Fuzzy logic Toolbox for use with matlab, The Math Works Inc., 1995.

[52]Russo F., Fuzzy Systems in Instrumentation: Fuzzy Signal Processing, IEEE Transactions on instrumentation and measurement, Vol 45, 2, 683, April 1996.

[53]Hsieh J., Image enhancement with a fuzzy logic approach, Electronics letters 27th, Vol. 31, 9, 708, April 1995.

[54]Kosko B., Neural networks and fuzzy systems, a dynamical approach to machine intelligence, Englewood Cliffs, NJ Prentice-Hall, 10, 311, 1992.

[55]Kosko B., Neural networks and fuzzy systems, a dynamical approach to machine intelligence, Englewood Cliffs, NJ Prentice-Hall, 11, 379, 1992.

[56]Russo F., Ramponi G., Nonlinear fuzzy operators for image processing, Signal Processing 38, 429, 1994.

[57]Tolias Y.A., Panas S.M., Tsoukalas L.H., Generalized fuzzy indices for similarity matching, Fuzzy Sets and Systems, 120, 255, 2001.

[58]Soneira M.J., Perez-Pueyo R., Ruiz-Moreno S., Raman Spectra Enhancement with a Fuzzy Logic Approach, Journal of Raman Spectroscopy, 33, 599, 2002.

[59]Pérez-Pueyo R., Soneira MJ., Ruiz_moreno S., A fuzzy logic system for band detection in Raman spectroscopy, Journal of Raman Spectroscopy, 35, 808, 2004.

[60]Soneira M.J., Yúfera J.M. and Ruiz-Moreno S., Noise Probe Method for Band Detection in Raman Spectroscopy, Applied Spectroscopy, 53, 365, 1999.

[61]http://www.chem.ucl.ac.uk/resources/raman/speclib.html

[62]Doerner M., Los materiales de pintura y su empleo en el arte, Editorial Reverté,1998.

[63]Mayer R., Materiales y técnicas del arte, Tursen Hermann Blume Ediciones, 1993.

[64]Roy A., Artists' Pigments: A handbook of their history and characteristics, Vol. 3, Elisabeth West Fitzhugh Editor, 1997.

[65]Stanley W, Mayer J.W., The science of paintings, Springer-Verlag New York, Inc, 2000.

[66]Ruiz-Moreno S., Pérez-Pueyo R., Gabaldón A., Soneira M.J., Sandalinas C., Raman Laser Fibre Optic Strategy for Non-destructive Pigment Analysis. Identification of a New Yellow Pigment (Pb,Sn,Sb) of the Italian XVII Century, Journal of Cultural Heritage, 4, 309s, Ed. Elsevier SAS, 2003.

[67]Izquierdo Asensi E., Geometría descriptiva, Editorial Dossat,1995.

BIBLIOGRAFÍA

- Saleh B.E.A., and Teich M.C., Fundamentals of Photonics, Wiley Series in Pure and Applied Optics, 1991.

- Diem M., Introduction to Modern Vibrational Spectroscopy, John Wiley & Sons, Inc., 1993.

- Gassell J.G., Bulkin B.J., Analytical Raman Spectroscopy, New York Wiley Cop., 1991.

- Gerrard D.L., Raman Spectroscopy, Anal. Chem., 66, 547r, 1994.

- Zheng X., Fu W., Albin S., Wise K.L., Javey A., and Cooper J.B., Self-Referencing Raman Probes for Quantitative Analysis, Applied Spectroscopy, 55, 382, 2001.

- Miller J.V., and Bartick E.G., Forensic Analysis of Single Fibers by Raman Spectroscopy, Applied Spectroscopy, 55, 1729, 2001.

- Wang H., Mann C.K., and Vickers T.J., Effect of Powder Properties on the Intensity of Raman Scattering by Crystalline Solids, Applied Spectroscopy, 56, 1538, 2002.

- Bussoti L. et al., Identification of Pigments in a fourteenth-century miniature by combined micro-Raman and pixe spectroscopic techniques, Studies in Conservation, 42, 83, 1997.

- Davey R., Gardiner D.J., Singer B.W., and Spokes M., Examples of Analysis of Pigments from Fine Art Objects by Raman Microscopy, Journal of Raman Spectroscopy, 25, 53, 1994.

- Yúfera J.M. et al., Raman Spectra Treatment with Signal Processing Techniques, Optical Technologies in the Humanities, Dirksen-von Bally (Eds.), 227, 1997.

- Mosier-Boss P.A., Lieberman S.H., and Newbery R., Fluorescence Rejection in Raman Spectroscopy by Shifted-Spectra, Edge Detection, and FFT Filtering Techniques, Applied Spectroscopy, 49, 630, 1995.

- Smeller L., How precise are the positions of Computer-Determined Peaks ?, Applied Spectroscopy, 52, 1623, 1998.

- Russo F., Fuzzy Systems in Instrumentation: Fuzzy Signal Processing, IEEE Transactions on instrumentation and measurement, 45, 683, 1996.

- Zeng X-J., Singh M.G., Approximation Accuracy Analysis of Fuzzy Systems as Function Approximators, IEEE Trans. On Fuzzy Systems, 4, 44, 1996.

- Caulfield H.J., Fuzzy Optical Metrology, IEEE Trans. On Fuzzy Systems, 4, 206, 1996.

- Wang L., and Langari R, Complex Systems Modelling via Fuzzy Logic, IEEE Trans. On Systems, Man, and Cyber. - Part B: Cyber., 26, 100, 1996.

- Russo F., and Ramponi G., Introducing to Fuzzy Median Filter, Signal Processing VII: Theories and Applications, 963, 1994.

- Abe S., and Lan M-S., A Method for Fuzzy Rules Extraction Directly from Numerical Data and its Application to Pattern Classification, IEEE Trans. On Fuzzy Systems, 3, 18, 1995.

- Ishibuchi H., and Nakashima T., Effect of Rule Weights in Fuzzy Rule-Based Classification Systems, IEEE Trans on Fuzzy Systems, 9, 506, 2001.

- Gader P., Keller J.M., and Cai J., A Fuzzy Logic System for the Detection and Recognition of Handwritten Street Numbers, IEEE Transac. On Fuzzy Systems, 3, 83, 1995.

- Davies A.N., McIntyre P., and Morgan E., Study of the Use of Molecular Spectroscopy for the Authentication of Extra Virgin Olive Oils. Part: Fourier Transform Raman Spectroscopy, Applied Spectroscopy, 54, 1864, 2000.