

2005

Gonzalo Cerruela Garc , Irene Luque Ruiz, Miguel  gel G ez-Nieto. A Constraints-Satisfaction Based Algorithm for the Calculation of Structural Similarity Through Maximum Overlapping Common Substructures. MATCH-Communications In Mathematical and in Computer Chemistry. 53(2). 2005. 237-251. ISSN 0340-6253 JCR(2005): 0.828

Gonzalo Cerruela Garc , Irene Luque Ruiz, Miguel  gel G ez-Nieto, Juan Antonio Cabrero Doncel, Antonio Guevara Plaza. From Wiener Index to Molecules. Journal of Chemical Information and Modeling (Formerly J. Chem. Inf. Comput. Sci.). 45 (2). 2005. 231-238. ISSN 1549-9596 JCR(2005): 2.923

Manuel Urbano Cuadrado, Mar  Dolores Luque de Castro, Miguel  gel G ez-Nieto. Study of Spectral Analytical Data using Fingerprints and Scaled Similarity Measurements. Analytical and Bioanalytical Chemistry. 381 (4). 2005. 953-963. ISSN 1618-2642 JCR(2005): 2.695

Manuel Urbano Cuadrado, Mar  Dolores Luque de Castro, Pedro P ez-Juan, Miguel  gel G ez-Nieto. Comparison and Joint Use of Near Infrared Spectroscopy and Fourier Transform Mid Infrared Spectroscopy for the Determination of Wine Parameters. Talanta. 66 (1). 2005. 218-224. ISSN 0039-9140 JCR(2005): 2.391

Gonzalo Cerruela Garc , Irene Luque Ruiz, Miguel  gel G ez-Nieto. Clustering Chemical Databases Using Self-Adaptable Cells and MCS Similarity Values. Journal of Chemical Information and Modeling . 45 (5). 2005. 1178-1194. ISSN 1549-9596 JCR(2005): 2.923

Manuel Urbano Cuadrado, Irene Luque Ruiz, Gonzalo Cerruela Garc , Miguel  gel G ez-Nieto. A New Quantitative-Structure Property Relationship (QPRS) Model based on Topological Distances of Non-Isomorphic Subgraphs. Lectures Series on Computer and Computational Sciences. 4. 2005. 135-138. ISSN 1573-4196

Manuel Urbano Cuadrado, Pedro P ez-Juan, Mar  Dolores Luque de Castro, Miguel  gel G ez-Nieto. A Fully Automated Method for in Real Time Determination of Laccase Activity in Wines. Analytica Chimica Acta. 553. 2005. 99-104. ISSN 0003-2670 JCR(2005): 2.760

id="_mcePaste"></div> <p style="margin: 0px; padding: 0px; line-height: 1.5em;"><br style="margin: 0px; padding: 0px; line-height: 1.5em;" /></p>
<div id="_mcePaste" style="text-align: justify;">Francisco Calvillo Mu z, Irene Luque Ruiz, Gonzalo Cerruela Garc , Carlos Mart ez Pedrajas, Miguel  gel G ez-Nieto. Especificaci  del Proceso de Desarrollo de un Sistema para la Realizaci  de Tutor s Virtuales como Herramienta de Apoyo en la Consolidaci  de los Criterios de Bolonia. Res Novae Cordoubenses . 3. 2005. 185-214. ISSN 1697-1531</div> <div></div>
<div id="_mcePaste"></div> <div id="_mcePaste"></div> <p style="margin: 0px; padding: 0px; line-height: 1.5em;"><br style="margin: 0px; padding: 0px; line-height: 1.5em;" /></p> <div id="_mcePaste" style="text-align: justify;">Manuel Urbano Cuadrado, Gonzalo Cerruela Garc , Irene Luque Ruiz, Miguel  gel G ez-Nieto. 7th International Conference of Chemical Structure. Quantitative Analysis by Spectral Data Transformation in Multivalued Fingerprints and Multivariate Calibration. Abstract of 7th International Conference of Chemical Structure. Division of Chemical Information of the American Chemical Society (CINF). 2005. 92-93</div>
<div></div> <div id="_mcePaste"></div> <div id="_mcePaste"></div> <p style="margin: 0px; padding: 0px; line-height: 1.5em;"><br style="margin: 0px; padding: 0px; line-height: 1.5em;" /></p> <div id="_mcePaste" style="text-align: justify;">Irene Luque Ruiz, Manuel Urbano Cuadrado, Gonzalo Cerruela Garc , Miguel  gel G ez-Nieto. 7th International Conference of Chemical Structure. Study and Display of the Effect of Structural Similarity Approach in the Screening of Chemical Databases. Abstract of 7th International Conference of Chemical Structure. Division of Chemical Information of the American Chemical Society (CINF). 2005. 93</div>
<div></div> <div id="_mcePaste"></div> <div id="_mcePaste"></div> <p style="margin: 0px; padding: 0px; line-height: 1.5em;"><br style="margin: 0px; padding: 0px; line-height: 1.5em;" /></p> <div id="_mcePaste" style="text-align: justify;">Manuel Urbano Cuadrado, Gonzalo Cerruela Garc , Irene Luque Ruiz, Miguel  gel G ez-Nieto. International Conference on Computational and Mathematical Methods in Science and Engineering (CMMSE 2005). A Method for Clustering and Screening of Long-Dimensional Data Based on Fingerprints and Similarity Measurements. Computational and Mathematical Methods on Science and Engineering. CMMSE-Universidad de Alicante. Alicante (Espa ). 2005. 175-186. ISBN 84-609-4844-7</div> <div></div>
<div id="_mcePaste"></div> <div id="_mcePaste"></div> <p style="margin: 0px; padding: 0px; line-height: 1.5em;"><br style="margin: 0px; padding: 0px; line-height: 1.5em;" /></p> <div id="_mcePaste" style="text-align: justify;">Irene Luque Ruiz, Gonzalo Cerruela Garc , Manuel Urbano Cuadrado, Miguel  gel G ez-Nieto. Fifth International Conference on Intelligent System Design and Applications (ISDA 2005). New Models for the Clustering of Large Databases through a Hierarchical Paradigm. Intelligent Systems Design and Applications. IEEE Computer Society. Los Alamitos, California (United States). 2005. 2-7. ISBN 0-7695-2286-6</div>
<div></div> <div id="_mcePaste"></div> <div id="_mcePaste"></div> <p style="margin: 0px; padding: 0px; line-height: 1.5em;"><br style="margin: 0px; padding: 0px; line-height: 1.5em;" /></p> <div id="_mcePaste" style="text-align: justify;">Manuel Urbano Cuadrado, Irene Luque Ruiz, Gonzalo Cerruela Garc , Miguel  gel G ez-Nieto. International Conference of Computational Methods in Sciences and Engineering (ICCMSE 2005). A New Quantitative Structure-Property

Relationship (QPRS) Model based on Topological Distances of Non-Isomorphic Subgraphs. Lectures Series on Computer and Computational Sciences. Advances in Computational Methods in Sciences and Engineering. Brill Academic Publisher. Netherlands. 2005. 135-138. ISBN90-6764-443-9

2004

Gonzalo Cerruela Garc , Irene Luque Ruiz, Miguel  gel G ez-Nieto. Step-by-Step Calculation of All Maximum Common Substructures Through a Constraint Satisfaction based Algorithm. Journal of Chemical Information and Computer Sciences. 44(1). 2004. 30-41. ISSN 0095-2338 JCR (2004): 2.810

Gonzalo Cerruela Garc , Irene Luque Ruiz, Miguel  gel G ez-Nieto. Representation of the Molecular Topology of Cyclical Structures by means of Cycle Graphs: 1. Extraction of Topological Properties. Journal of Chemical Information and Computer Sciences. 44(2). 2004. 447-461. ISSN 0095-2338 JCR(2004): 2.810

Manuel Urbano Cuadrado, Mar  Dolores Luque de Castro, Miguel  gel G ez-Nieto. Trigger-Based Concurrent Control System for Automating Analytical Processes. TRAC-Trends in Analytical Chemistry. 23(5). 2004. 370-384. ISSN 0165-9936 JCR(2004): 3.888

Gonzalo Cerruela Garc , Irene Luque Ruiz, Miguel  gel G ez-Nieto. Representation of the Molecular Topology of Cyclical Structures by means of Cycle Graphs: 2. Application to Clustering of Chemical Data Bases. Journal of Chemical Information and Computer Sciences. 44(4). 2004. 1383-1393. ISSN 0095-2338 JCR(2004): 2.810

Irene Luque Ruiz, Gonzalo Cerruela Garc , Miguel  gel G ez-Nieto. Representation of the Molecular Topology of Cyclical Structures by means of Cycle Graphs: 3. A Hierarchical Model of Screening of Chemical Databases. Journal of Chemical Information and Computer Sciences. 44(6). 2004. 1903-1911. ISSN 0095-2338 JCR(2004): 2.810

Manuel Urbano Cuadrado, Mar  Dolores Luque de Castro, Pedro P ez-Juan, J. Garc -Olmo, Miguel  gel G ez-Nieto. Near Infrared Reflectance Spectroscopy and Multivariate Analysis in Enology: Determination or Screening of Fifteen Parameters in Different Types of Wines. Analytica Chimica Acta. 527. 2004. 81-88. ISSN 0003-2670 JCR(2004): 2.588

Gonzalo Cerruela Garc , Irene Luque Ruiz, Miguel  gel G ez-Nieto. Clustering Chemical Data Bases Through Projection of MOS Similarity Measures on Multidimensional Spaces. Lecture Series on Computer and Computational Sciences. 1. 2004. 181-184. ISSN 1573-4196

Francisco Calvillo Mu z, Irene Luque Ruiz, Gonzalo Cerruela Garc , Miguel  gel G ez-Nieto. Sistema de Gesti  de Tutor s Virtuales como Soporte de los Nuevos Modelos Educativos. Gerencia Tecnol gica Inform tica. 2(7). 2004. 79-86. ISSN 1657-8236

Manuel

Urbano Cuadrado, Pedro Pérez Juan, María Dolores Luque de Castro, Miguel Ángel Góñez-Nieto. X Congreso Nacional de Enólogos. Sistema Integral para el Control de Calidad en el Proceso de Crianza de Vinos. Acta de Resúmenes del X Congreso Nacional de Enólogos. Federación Española de Asociaciones de Enólogos. 2004. 37

Gonzalo Cerruela García, Irene Luque Ruiz, Miguel Ángel Góñez-Nieto. International Conference of Computational Methods in Sciences and Engineering ICCMSE 2004. Clustering Chemical Data Bases Through Projection of MOS Similarity Measures on Multidimensional Spaces. Lecture Series on Computer and Computational Sciences. VSP International Science Publisher. The Netherlands. 2004. 181-184. ISBN 90-6764-418-8

2003

Irene Luque Ruiz, Gonzalo Cerruela García, Miguel Ángel Góñez-Nieto. An Object-Oriented Dialog System for Use in Computer-Aided Teaching. Lecture Notes in Computer Science. 2722. 2003. 158-166. ISSN 0302-9743 JCR(2004): 0.513

Irene Luque Ruiz, Gonzalo Cerruela García, Miguel Ángel Góñez-Nieto. Computer-Assisted Learning Using a Dialog System for Virtual Teacher-Student Communication. Journal of Chemical Information and Computer Sciences. 43 (5). 2003. 1378-1389. ISSN 0095-2338 JCR(2003): 3.078

Javier Fuentes Alventosa, Irene Luque Ruiz, Gonzalo Cerruela García, Miguel Ángel Góñez-Nieto. BiViCyT: Biblioteca Virtual de Documentos Científicos y Técnicos. Res Novae Cordubenses. 1. 2003. 137-158. ISSN 1697-1531

Irene Luque Ruiz, Enrique López Espinosa, Gonzalo Cerruela García, Miguel Ángel Góñez-Nieto. Design and Development of Computer-Aided Chemical Systems: Virtual Labs for Teaching Chemical Experiments in Undergraduate and Graduate Courses. 2003 IMIA Yearbook of Medical Informatics. Schattauer GmbH-Verlag. Stuttgart (Germany). 2003. 591-598. ISBN 3-7945-2263-X

Gonzalo Cerruela García, Irene Luque Ruiz, Enrique López Espinosa, Miguel Ángel Góñez-Nieto. Desarrollo de un Texto Docente para la Asignatura de Bases de Datos de las Titulaciones de Ingeniería Técnica Informática de Gestión y Sistemas. Proyectos de Innovación Docente de las Universidades Andaluzas. Junta de Andalucía. Unidad de Calidad de las Universidades Andaluzas. 2003. 21-30. ISBN 84-688-2316-3

Irene Luque Ruiz, Gonzalo Cerruela García, Enrique López Espinosa, Miguel Ángel Góñez-Nieto. Biblioteca Virtual de Proyectos Fin de Carrera de Informática. Estudio de una Solución para la Universidad de Córdoba. Proyectos de Innovación y Mejora de la Calidad Docente. Tercera Convocatoria. Servicio de Publicaciones de la Universidad de Córdoba. 2003. 272-280. ISBN 84-7801-696-1

Manuel Urbano Cuadrado, María Dolores Luque de Castro, Pedro Pérez Juan, Miguel Ángel Góñez-Nieto.

International Conference on Enterprise Information Systems. ICEIS♦003. Lab Information Management System for Quality Control in Wineries. Proceedings of Fifth International Conference on Enterprise Information Systems. Ecola Superior de Tecnologia do Instituto Polit♦nico de Set♦bal. 2003. 474-477. Vol. 1. ISBN 972-98816-1-8

Enrique L♦ez Espinosa, Gonzalo Cerruela Garc♦ Irene Luque Ruiz, Miguel ♦gel G♦ez-Nieto. Fifth International Conference on Enterprise Information Systems. ICEIS♦003. Users-Tailored E-Business through a Three-Layer Personalization Model Based on Agents. Proceedings of Fifth International Conference on Enterprise Information Systems. Ecola Superior de Tecnologia do Instituto Polit♦nico de Set♦bal. 2003. 444-447. Vol. 4. ISBN 972-98816-1-8

Irene Luque Ruiz, Gonzalo Cerruela Garc♦, Miguel ♦gel G♦ez-Nieto. International Conference on Web Engineering. ICWE♦003. An Object-Oriented Dialog System for Use in Computer-Aided Teaching. Web Engineering. LNCS 2722. Springer-Verlag. Berlin (Germany). 2003. 158-166. ISBN 3-540-40522-4

Irene Luque Ruiz, Gonzalo Cerruela Garc♦, Miguel ♦gel G♦ez-Nieto. 2nd International Conference on Principles and Practice of Programming Java PPPJ♦3. A Java Dialog System for Use in Computer-Aided Teaching. Principles and Practice of Programming in Java. Computer Science Press. Trinity College Dublin (Ireland). 2003. 71-74. ISBN 0-9544145-1-9

Gonzalo Cerruela Garc♦, Irene Luque Ruiz, Miguel ♦gel G♦ez-Nieto. International Conference of Computational Methods in Sciences and Engineering ICCMSE 2003. A New Algorithm to Obtain All Maximum Common Subgraphs In Molecular Graphs Using Binary Arithmetic and Constraints Satisfaction Model. Computational Methods in Science and Engineering . World Scientific Publishing. London (United Kingdom). 2003. 156-159. ISBN 981-238-595-9

Manuel Urbano Cuadrado, Maria Dolores Luque de Castro, Miguel ♦gel G♦ez-Nieto. 9th IEEE International Conference on Emerging Technologies and Factory Automation. Automation of Flow Injection Methods in the Winery Industry through a Computer Program based on a Multilayer Model. IEEE Conference on Emerging Technologies and Factory Automation . IEEE Press. New York (Estados Unidos). 2003. 530-536. ISBN 0-7803-7937-3

Manuel Urbano Cuadrado, Maria Dolores Luque de Castro, Miguel ♦gel G♦ez-Nieto. XIII International Symposium on Analytical Methodology in The Environment Field. Design and Automation of Analytical Processes Through a Trigger-Based Computer Program. VIII International Symposium on Analytical Methodology in the Environmental Field. Association of Environmental Science and Techniques. La Coru♦ (Espa♦). 2003. 635. ISBN 84-9749-085-1

2002

Gonzalo Cerruela Garc♦, Irene Luque Ruiz, Miguel ♦gel G♦ez-Nieto. Parallel Algorithms for Graph Cycle Extraction Using the Cyclical Conjunction Operator. Journal

of Chemical Information and Computer Sciences. 42(6). 2002. 1398-1406. ISSN 0095-2338 JCR(2002): 2.902

Irene Luque Ruiz, Enrique L  ez Espinosa, Gonzalo Cerruela Garc  , Miguel   gel G  ez-Nieto. Computer-Assisted Learning of Chemical Experiments through a 3D Virtual Lab. Lecture Notes in Computer Science. 2329. 2002. 704-712. ISSN 0302-9743 JCR(2002): 0.515

Gonzalo Cerruela Garc  , Enrique L  ez Espinosa, Irene Luque Ruiz, Miguel   gel G  ez-Nieto. Efficient Parallel Solution to Calculate all Cycles in Graphs. Lecture Notes in Computer Science. 2367. 2002. 411-420. ISSN 0302-9743 JCR(2002): 0.515

Gonzalo Cerruela Garc  , Irene Luque Ruiz, Miguel   gel G  ez-Nieto. Cyclical Conjunction: An Efficient Operator for Extraction all Cycles in Graphs. Journal of Chemical Information and Computer Sciences. 42(6). 2002. 1415-1424. ISSN 0095-2338 JCR(2002): 2.902

Miguel   gel G  ez-Nieto, Irene Luque Ruiz, Enrique L  ez Espinosa, Gonzalo Cerruela Garc  . Desarrollo de un Texto Docente para la Asignatura de Bases de Datos de las Titulaciones de Ingenier   T  cnica Inform  tica de Gest   y Sistemas. Memorias de los Proyectos de la 2   Convocatoria de Proyectos de Innovaci   y Mejora de la Calidad Docente (2000-2001). Servicio de Publicaciones de la Universidad de C  doba. 2002. 46-56. ISBN 84-7801-625-2

Irene Luque Ruiz, Enrique L  ez Espinosa, Gonzalo Cerruela Garc  , Miguel   gel G  ez-Nieto. International Conference on Enterprise Information Systems. ICEIS  002. A System Based on Preferences for Aid to the Purchase Decision. Fourth International Conference on Enterprise Information Systems. ICEIS Press. Set  bal (Portugal). 2002. 1058-1063. ISBN 9-7298-050-7

Gonzalo Cerruela Garc  , Enrique L  ez Espinosa, Irene Luque Ruiz, Miguel   gel G  ez-Nieto. ACIS International Conference SNPD  002. Parallel Cyclic Conjunction for Shared Memory Multiprocessors. Software Engineering Artificial Intelligence, Networking and Parallel / Distributed Computing. Servicio de Publicaciones de la UPM. Madrid (Espa  ). 2002. 31-36. ISBN 09-7007-764-5

Irene Luque Ruiz, Enrique L  ez Espinosa, Gonzalo Cerruela Garc  , Miguel   gel G  ez-Nieto. International Conference on Computational Science. ICCS 2002. Computer-Assisted Learning of Chemical Experiments through a 3D Virtual Lab. Lecture Notes in Computer Sciences LNCS 2329. Springer-Verlag. Berlin (Germany). 2002. 704-712. ISBN 35-4043-591-3

Gonzalo Cerruela Garc  , Enrique L  ez Espinosa, Irene Luque Ruiz, Miguel   gel G  ez-Nieto. Conference on Applied Parallel Computing. 3rd CSC Scientific Meeting. PARA  002. Efficient Parallel Solution to Calculate all Cycles in Graphs. Lecture Notes in Computer Sciences LNCS 2367. Applied Parallel Computing. Advanced Scientific Computing. Springer-Verlag. Berlin (Germany). 2002. 411-420. ISBN 3-540-43786-X

/></p> <p style="text-align: justify;">Manuel Urbano Cuadrado, Maria Dolores Luque de Castro, Pedro P♦ez Juan, Miguel ♦gel G♦ez-Nieto. 10as Jornadas de An♦isis Instrumental. JwisWine: A Java-Web Information System for Quality Control in Wineries. Libro Resumen de 10as Jornadas de An♦isis Instrumental. Expoqu♦ica. 2002. 46. </p>
 <p>
</p> <p style="text-align: right;">2001</p> <hr /> <p style="text-align: justify;">Irene Luque Ruiz, Miguel ♦gel G♦ez-Nieto, Enrique L♦ez Espinosa, Gonzalo Cerruela Garc♦. Bases de Datos: Desde Chen hasta Codd con Oracle-i. RaMa, Alfa-Omega. 2001. 422. ISBN 84-7897-478-4 (Nacional), 970-15-0760-6 (Internacional)</p> <p style="text-align: justify;">
</p> <p style="text-align: justify;">Irene Luque Ruiz, Carlos Mart♦ez Pedrajas, Miguel ♦gel G♦ez-Nieto. Solving Incomplete Chemical Systems through a Fuzzy Knowledge Frame. Journal of Chemical Information and Computer Sciences. 41(1). 2001. 83-99. ISSN 0095-2338 JCR(2001): 3.009</p> <p style="text-align: justify;">
</p> <p style="text-align: justify;">Irene Luque Ruiz, Enrique L♦ez Espinosa, Gonzalo Cerruela Garc♦, Miguel ♦gel G♦ez-Nieto. Design and Development of Computer-Aided Chemical Systems. Virtual Labs for Teaching Chemical Experiments to Undergraduate and Graduate Courses. Journal of Chemical Information and Computer Sciences. 41(4). 2001. 1075-1082. ISSN 0095-2338 JCR(2001): 3.009</p> <p style="text-align: justify;">
</p> <p style="text-align: justify;">Enrique L♦ez Espinosa, Gonzalo Cerruela Garc♦, Irene Luque Ruiz, Miguel ♦gel G♦ez Nieto. SVIII-1.0: Gesti♦ la Cesta de la Compra de un Supermercado Virtual. ISCBD-EPS-UCO. 2001. 29. N♦mero Reg.CO-2321-2001 / 2001/14/7832</p> <p style="text-align: justify;">
</p> <p style="text-align: justify;">Enrique L♦ez Espinosa, Gonzalo Cerruela Garc♦, Irene Luque Ruiz, Miguel ♦gel G♦ez Nieto. CHEVILAB-1.0: Ense♦nza Virtual de Pr♦ticas de Laboratorio de Qu♦ica. ISCBD-EPS-UCO. 2001. 32. N♦mero Reg.CO-2322-2001 / 2001/14/7833</p> <p style="text-align: justify;">
</p> <p style="text-align: justify;">Enrique L♦ez Espinosa, Gonzalo Cerruela Garc♦, Irene Luque Ruiz, Miguel ♦gel G♦ez Nieto. SVII-1.0: Gesti♦ del Negocio de un Supermercado Virtual. ISCBD-EPS-UCO. 2001. 42. N♦mero Reg.CO-2323-2001 / 2001/14/7834</p> <p style="text-align: justify;">
</p> <p style="text-align: justify;">Irene Luque Ruiz, Enrique L♦ez Espinosa, Gonzalo Cerruela Garc♦, Miguel ♦gel G♦ez-Nieto. International Conference on Enterprise Information Systems. ICEIS♦001. A Strategy to Development Adaptive Workers Information Management Systems. Third International Conference on Enterprise Information Systems. ICEIS Press. Set♦bal (Portugal). 2001. 271-274. ISBN 09-7298-050-2</p> <p>♦</p>