![Logo INAOE] Instituto Nacional de Astrofísica, Óptica y Electrónica.

Artículos Publicados con arbitraje

CIENCIAS COMPUTACIONALES

PUBLICADOS CON ARBITRAJE INTERNACIONAL

CON PARTICIPACIÓN DE ALUMNOS

1. **Pablo Hernandez-Leal**, **J. Ariel Carrasco-Ochoa, J. Fco. Martínez-Trinidad**, J. Arturo Olvera-Lopez, "InstanceRank based on borders for instance selection", Pattern Recognition, Volume 46(1), pp. 365-375, 1 January 2013. ***IMPACT FACTOR 2.632,*** ISSN: 0031-3203.

2. Roberto Pérez-Andrade, César Torres-Huitzil, **René Cumplido, Juan M. Campos**. "On an external memory scheme for processor arrays", ELEX Electronics Express. Vol. 10 (2013) No. 14 pp. 1-12. DOI: 10.1587/elex.10.20130324. Journal indexed in JCR. ***IMPACT FACTOR 0.268***. ISSN: 1349-2543.

3. **Pablo Hernandez-Leal,** Alma Ríos-Flores; Santiago Ávila-Ríos, Gustavo Reyes-Terán, **Jesús A. González**, **Lindsey Fiedler-Cameras**, **Felipe Orihuela-Espina, Eduardo F. Morales, Luis Enrique Sucar**. "Discovering human immunodeficiency virus mutational pathways using temporal Bayesian networks", "Artificial Intelligence in Medicine", 2013 http://dx.doi.org/10.1016/j.bbr.2011.03.031. Volume 57, Issue 3, March 2013, Pages 185–195. ***IMPACT FACTOR 1.355,*** ISSN: 0933-3657.

4. **Pablo Hernandez-Leal**, **Jesús A. González, Eduardo F. Morales, L. Enrique Sucar**, "Learning temporal nodes Bayesian networks". International Journal of Approximate Reasoning, Published online April 6, 2013 (In Press). http://dx.doi.org/10.1016/j.bbr.2011.03.031. Volume 54, Issue 8, October 2013, Pages 956–977. Available online 18March 2013. ***IMPACT FACTOR 1.729,*** ISSN:0888-613X.

5. **Fernando Sánchez-Vega**, Esaú Villatoro-Tello**, Manuel Montes-y-Gómez, Luis Villaseñor-Pineda**, Paolo Rosso. "Determining and Characterizing the Reused Text for Plagiarism Detection". Expert Systems with Applications. Volume 40, Issue 5, April 2013, Pages 1804–1813. ***IMPACT FACTOR 1.854***. ISSN: 0957-4174.

6. **Eduardo Cuevas-Farfan**, Miguel Morales-Sandoval, **Alicia Morales-Reyes Claudia Feregrino-Uribe**, Ignacio Algredo-Badillo, Paris Kitsos, **René Cumplido**. "Karatsuba-Ofman Multiplier with Integrated Modular Reduction for GF(2m)," Advances in Electrical and Computer Engineering, vol. 13, no. 2, pp. 3-10, 2013, doi:10.4316/AECE.2013.02001. ***IMPACT FACTOR: 0.552***. ISSN: 1582-7445.

7. **German Cuaya**, **Angélica Muñoz-Meléndez**, Lidia Nuñez Carrera, **Eduardo F. Morales**, Ivett Quiñones, Alberto I. Pérez, Aldo Alessi. "A dynamic Bayesian

Artículos Publicados con arbitraje

network for estimating the risk of falls from real gait data". Medical & Biological Engineering & Computing. February 2013, Volume 51, Issue 1-2, pp 29-37. **IMPACT FACTOR 1.790,** Print ISSN0 140-0118.

8. **Alberto Calixto Simon**, **Saúl E. Pomares Hernández**, **José Roberto Pérez Cruz**, **Pilar Gómez-Gil** and Khalil Drira. "A Scalable Communication-Induced Checkpointing Algorithm for Distributed System," IEICE Transactions on Information Systems. ISSN: 0916-8532. Vol. E96-D, No. 4, 2013, pp. 886-896. **IMPACT FACTOR: 0.218**. 1 April 2013.

9. **Leonardo Chang,** José Hernández- Palancar, **L. Enrique Sucar, Miguel Arias-Estrada**. "FPGA-based Detection of SIFT Interest Keypoints," The Journal of Machine Vision and Applications, Springer, Feb. 2013. Vol. 24, No. 2, pp. 371-392. ISSN: 0932-8092 (print version). ISSN: 1432-1769 (electronic version). **IMPACT FACTOR: 1.103**.

SIN PARTICIPACIÓN DE ALUMNOS

1. Chiu, J. C., Kaub, K., Zou, S., Liedo, P., **Altamirano-Robles, L**., Ingram, D., & Carey, "Deleterious effect of suboptimal diet on rest-activity cycle in Anastrepha ludens manifests itself with age". J. R. (2013). Scientific Reports 3, Article number: 1773 doi:10.1038/srep01773. Published 03 May 2013. **IMPACT FACTOR 2.927,** ISSN: 2045-2322. 8p.

2. José Juan Carbajal-Hernández, Luis P. Sánchez-Fernández, Luis A. Villa-Vargas, **Jesús A. Carrasco-Ochoa, José Fco. Martínez-Trinidad**, "Water quality assessment in shrimp culture using an analytical hierarchical process", Ecological Indicators 29, pp. 148-158, 1 June 2013. **IMPACT FACTOR 2.890,** ISSN: 1470-160X.

3. A. Franco-Arcega, **Jesús A. Carrasco-Ochoa**, G. Sánchez-Díaz and **José Fco. Martínez-Trinidad,** "Decision Tree based Classifiers for Large Datasets", Computación y Sistemas, 17(1), pp 95-102, 22 March 2013. ISSN 1405-5546.

4. Mario Graff, **Hugo Jair Escalante**, Jaime Cerda-Jacobo, Alberto Avalos González. "Models of Performance of Time Series Forecasters". Neurocomputing Volumen 122 pages: 375-385, December 2013. http://dx.doi.org/10.1016/j.neucom.2013.05.035. Available online 1 July 2013. **IMPACT FACTOR 1.634**. ISSN: 0925-2312.

ALUMNOS DE DOCTORADO
ALUMNOS DE MAESTRÍA

Artículos Publicados con arbitraje

5. **Hugo Jair Escalante**, Sara V. Rodríguez, Jorge Cordero, Anders Ringgaard Kristensen, Cécile Cornou. "Sow activity classification from acceleration patterns: a machine learning approach". Computers and Electronics in Agriculture, Vol. 93, pp. 19--23, April 2013. *IMPACT FACTOR 1.766,* ISSN: 0168-1699.

6. I. Algredo-Badillo**, C. Feregrino-Uribe, R. Cumplido,** M. Morales-Sandoval. "FPGA-based implementation alternatives for the inner loop of the Secure Hash Algorithm SHA-256", Microprocessors and Microsystems. Volume 37, Issues 6-7, August-October 2013, Pages 750-757. DOI: 10.1016/j.micpro.2012.06.007. Journal indexed in JCR. *IMPACT FACTOR 0.549*. ISSN: 0141-9331.

7. José Juan García- Hernández, **Claudia Feregrino-Uribe, René Cumplido**. "Collusion-Resistant Audio Fingerprinting System in the Modulated Complex Lapped Transform Domain", PLOS ONE. June 2013, Vol.8, Issue 6, e65985. doi:10.1371/journal.pone.0065985. **15p**. Published June 6, 2013. *IMPACT FACTOR 3.730*. ISSN: 1932-6203.

8. José Juan García- Hernández, Ramón Parra-Michel, **Claudia Feregrino-Uribe, René Cumplido**. "High payload data-hiding in audio signals based on a modified OFDM approach", Expert systems with applications. Volume 40, Issue 8, 15 June 2013, Pages 3055-3064, *IMPACT FACTOR 1.854,* ISSN 0957-4174, 10.1016/j.eswa.2012.12.021.

9. M. Morales-Sandoval, **C. Feregrino-Uribe,** P. Kitsos, **R. Cumplido**. "Area/performance trade-off analysis of an FPGA digit-serial GF(2^m) Montgomery Multiplier based on LFSR", Computers & Electrical Engineering. Volume 39, Issue 2, February 2013, Pages 542-549, *IMPACT FACTOR 0.928,* ISSN 0045-7906.

10. **José de Jesús Rangel-Magdaleno**, Hayde Peregrina-Barreto, **Juan Manuel Ramírez-Cortes**, **Pilar Gómez-Gil,** and Roberto Morales-Caporal. "FPGA-Based Broken Bars Detection on Induction Motors Under Different Load Using Motor Current Signature Analysis and Mathematical Morphology". IEEE Transactions on Instrumentation and Measurement, (Volume:PP , Issue: 99). *IMPACT FACTOR: 1.357*. ISSN: 0018-9456. p. 9.

11. Luis J. Mena, Vanessa G. Félix, Rodolfo Ostos, **Jesús A. González**, Armando Cervantes, Armando Ochoa, Carlos Ruiz, Roberto Ramos, and Gladys E. Maestre. "Mobile Personal Health System for Ambulatory Blood Pressure Monitoring". Computational and Mathematical Methods in Medicine. Volume 2013 (2013), Article ID 598196, 13 pages. http://dx.doi.org/10.1155/2013/598196. , *IMPACT FACTOR 0.791,* ISSN 1748-670X.

12. Iván Olmos, **Jesús A. González, Leopoldo Altamirano**, José Alonso, Rubén Lobato. Leukemia Research, "A Medical Support Diagnosis Tool for Morphological

ALUMNOS DE DOCTORADO
ALUMNOS DE MAESTRÍA

Artículos Publicados con arbitraje

Acute Leukemia Identification". Elsevier, ISSN: 0145-2126, **_IMPACT FACTOR 2.923_**, 2013.

13. Airel Pérez-Suárez, **José Fco. Martínez-Trinidad, Jesús Ariel Carrasco-Ochoa**, José E. Medina-Pagola, "OClustR: A new graph-based algorithm for overlapping clustering", Neurocomputing Volume 121, 9 December 2013, 234-247, **_IMPACT FACTOR 1.634_**. ISSN: 0925-2312.

14. Airel Pérez-Suárez, **José Fco. Martínez-Trinidad, Jesús Ariel Carrasco-Ochoa**, José E. Medina-Pagola, "An algorithm based on density and compactness for dynamic overlapping clustering", Pattern Recognition, Volume 46, Issue 11, November 2013, Pages 3040–3055. **_IMPACT FACTOR 2.632_**. ISSN: 0031-3203.

15. Ansel Yoan Rodríguez-González, **José Francisco Martínez-Trinidad, Jesús Ariel Carrasco-Ochoa** and José Ruiz-Shulcloper, "Mining Frequent Patterns and Association Rules using Similarities", in Expert Systems with Applications. Volume 40, Issue 17, 1 December 2013, Pages 6823–6836. **_IMPACT FACTOR 1.854_**. ISSN: 0957-4174.

16. Editorial, Hancock, Edwin; **Martinez-Trinidad Jose Francisco; Carrasco-Ochoa, Jesus Ariel**, "Advances in pattern recognition methodology and applications", Pattern Recognition Letters, Volume 34(4), Special Issue. Pp.359-360, 1 March 2013. **_IMPACT FACTOR 1.266,_** ISSN: 0167-8655.

17. Heidy M. Marin-Castro, Víctor J. Sosa-Sosa, **José F. Martínez-Trinidad**, Iván López-Arevalo. "Automatic discovery of Web Query Interfaces using machine learning Techniques". Journal of Intelligent Information Systems February 2013, Volume 40, Issue 1, pp 85-108. **_IMPACT FACTOR 0.833,_** ISSN: 0925-9902.

18. Gabriela Ramírez-de-la-Rosa**, Manuel Montes-y-Gómez**, Thamar Solorio, **Luis Villaseñor-Pineda**. "A document is known by the company it keeps: Neighborhood consensus for short text categorization". Journal of Language Resources and Evaluation, Vol. 47, n° 1, 2013. **_IMPACT FACTOR: 0.659_**. ISSN: 1574-020X. 1 March 2013. Pages 127-149.

19. Atlántida Sánchez, **Eduardo Morales, Jesús A. González**. "Synthetic Oversampling of Instances Using Clustering". International Journal of Artificial Intelligence Tools. Volume: 22, Number: 02 (April 2013). **_IMPACT FACTOR: 0.250_**. ISSN: 0218-2130. **21 P.**

20. Rubén Stranders, **Enrique Munoz de Cote**, Alex Rogers, Nicholas R. Jennings, "Near-optimal continuous patrolling with teams of mobile information gathering agents" In Artificial Intelligence volume 195, February 2013. Pp. 63-105. ISSN 0004-3702. **_IMPACT FACTOR: 2.194_**.

ALUMNOS DE DOCTORADO
ALUMNOS DE MAESTRÍA

Artículos Publicados con arbitraje

21. **Orihuela-Espina**, **Felipe**; del Castillo, Isabel Fernández; Palafox, Lorena; Pasaye, Erick; Sánchez-Villavicencio, Israel; Leder, Ronald; Franco, Jorge Hernandez: **Sucar, Luis Enrique**. "Neural reorganization accompanying upper limb motor rehabilitation from stroke with virtual reality-based gesture therapy". Topics in Stroke Rehabilitation, Volume 20, Number 3 / May-June 2013, p.197-209. (ISSN: 1074-9357). ***IMPACT FACTOR 0.785***.

22. Eduardo Lopez Dominguez, **Saúl E. Pomares Hernández, Gustavo Rodríguez Gómez** and Maria Auxilio Medina, "An Efficient Two-Tier Causal Protocol for Mobile Distributed Systems", Plos One, Vol. 8, No. 4, 2013, doi:10.1371/journal.pone.0059904. ***IMPACT FACTOR: 3.730***. 9 April 2013. 10 pages. ISSN: 1932-6203.

23. Carlos Arturo Hernández-Gracidas, **Luis Enrique Sucar, Manuel Montes-y-Gómez**. "Improving Image Retrieval by using Spatial Relations". Journal on Multimedia Tools and Applications. Volume 62, Issue 2, January 2013. ***IMPACT FACTOR: 1.014.*** ISSN: 1380-7501. Pages 479-505

ALUMNOS DE DOCTORADO
ALUMNOS DE MAESTRÍA