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symbolic artificial intelligence
logics
knowledge representation
pattern recognition

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TITLE	CITED BY	YEAR
Autonomous Agent Navigation Model Based on Artificial Potential Fields Assisted by Heuristics D Silva-Contreras, S Godoy-Calderon Applied Sciences 14 (8), 3303		2024
Non-Axiomatic Logic Modeling of English Texts for Knowledge Discovery and Commonsense Reasoning O Juárez, S Godoy-Calderon, H Calvo Applied Sciences 13 (20), 11535		2023
Adding Learning Capabilities to the LEX Algorithm for Computing Minimal Transversals I Guevara, S Godoy-Calderon, E Alba Computación y Sistemas 27 (2), 357-370		2023
COVID-19 data analysis with a multi-objective evolutionary algorithm for causal association rule mining S Sinisterra-Sierra, S Godoy-Calderón, M Pescador-Rojas Mathematical and Computational Applications 28 (1), 12	2	2023
Deep symbolic processing of human-performed musical sequences N Rangel, S Godoy-Calderon, H Calvo Journal of Intelligent & Fuzzy Systems 42 (5), 4739-4750	1	2022
On the relation between the concepts of irreducible testor and minimal transversal E Alba-Cabrera, S Godoy-Calderon, MS Lazo-Cortés, ... IEEE Access 7, 82809-82816	10	2019
Symbolic learning for improving the performance of transversal-computation algorithms VI González-Guevara, S Godoy-Calderon, E Alba-Cabrera, H Calvo IEEE Access 7, 19752-19761	4	2019
Generating Trading Strategies in the Mexican Stock Market: A Pattern Recognition Approach DRM Hernández, RB Fernández, SG Calderón	2	2018
Constructing voronoi diagrams from hollow spheres using conformal geometric algebra N Romero, R Barrón-Fernández, S Godoy-Calderón Advances in Applied Clifford Algebras 27, 1997-2017	1	2017
Forecasting, clustering and patrolling criminal activities H Calvo, S Godoy-Calderón, MA Moreno-Armendáriz, ... Intelligent Data Analysis 21 (3), 697-720	12	2017
A new efficient entropy population-merging parallel model for evolutionary algorithms J Arellano-Verdejo, S Godoy-Calderon, F Alonso-Pecina, AG Arenas, ... International Journal of Computational Intelligence Systems 10 (1), 1186-1197	8	2017

TITLE	CITED BY	YEAR
Designing New CAPTCHA Models Based on the Cognitive Abilities of Artificial Agents. ED García-Serrano, S Godoy-Calderón, EMF Riverón Res. Comput. Sci. 138, 127-136		2017
Generating synthetic test matrices as a benchmark for the computational behavior of typical testor-finding algorithms E Alba-Cabrera, S Godoy-Calderon, J Ibarra-Fiallo Pattern Recognition Letters 80, 46-51	11	2016
Efficiently finding the optimum number of clusters in a dataset with a new hybrid differential evolution algorithm: DELA J Arellano-Verdejo, E Alba, S Godoy-Calderon Soft Computing 20 (3), 895-905	13	2016
A practical framework for automatic food products classification using computer vision and inductive characterization H Calvo, MA Moreno-Armendáriz, S Godoy-Calderón Neurocomputing 175, 911-923	19	2016
Patrolling routes optimization using ant colonies H Calvo, S Godoy-Calderon, MA Moreno-Armendáriz, ... Pattern Recognition: 7th Mexican Conference, MCPR 2015, Mexico City, Mexico ...	3	2015
A mixed learning strategy for finding typical testors in large datasets VI González-Guevara, S Godoy-Calderon, E Alba-Cabrera, J Ibarra-Fiallo Progress in Pattern Recognition, Image Analysis, Computer Vision, and ...	11	2015
Patrolling routes optimization using ant colonies FH Calvo-Castro, SG Calderon, MA Moreno-Armendariz, ... Springer Verlag		2015
A practical framework for automatic food products classification using computer vision and inductive characterization FH Calvo-Castro, MA Moreno-Armendariz, SG Calderon Neurocomputing		2014
YYC: A fast performance incremental algorithm for finding typical testors E Alba-Cabrera, J Ibarra-Fiallo, S Godoy-Calderon, F Cervantes-Alonso Iberoamerican Congress on Pattern Recognition, 416-423	20	2014
Efficiently finding the optimum number of clusters in a dataset with a new hybrid cellular evolutionary algorithm J Arellano-Verdejo, A Guzmán-Arenas, S Godoy-Calderon, ... Computación y Sistemas 18 (2), 313-327	6	2014
Búsqueda eficiente del óptimo número de grupos en un conjunto de datos con un nuevo algoritmo evolutivo celular híbrido J Arellano-Verdejo, A Guzmán-Arenas, S Godoy-Calderon, ... Computación y Sistemas 18 (2), 313-327		2014
YYC E Alba-Cabrera, J Ibarra-Fiallo, SG Calderon, F Cervantes-Alonso Springer Verlag		2014
A theoretical and practical framework for assessing the computational behavior of typical testor-finding algorithms E Alba-Cabrera, J Ibarra-Fiallo, S Godoy-Calderon Iberoamerican Congress on Pattern Recognition, 351-358	14	2013

TITLE	CITED BY	YEAR
Assessing the quality level of corn tortillas with inductive characterization and digital image analysis MA Moreno-Armendáriz, S Godoy-Calderon, H Calvo, OM Rojas-Padilla Mexican Conference on Pattern Recognition, 40-53		2013
Digital Image-based Inductive Characterization and Classification to Improve the Quality Inspection of Diverse Food Products H Calvo, S Godoy-Calderón, MA Moreno-Armendáriz Advances in Soft Computing Techniques, 79		2013
Multi-level modeling of manuscripts for authorship identification with collective decision systems S Godoy-Calderón, EM Felipe-Riverón, EC Herrera-Luna Progress in Pattern Recognition, Image Analysis, Computer Vision, and ...	1	2012
Image Processing Applied to Classification of Avocado Variety Hass (<i>Persea americana</i> Mill.) During the Ripening Process I Arzate-Vázquez, JJ Chanona-Pérez, MJ Perea-Flores, ... Food and Bioprocess Technology 4, 1307-1313	98	2011
A supervised algorithm with a new differentiated-weighting scheme for identifying the author of a handwritten text EC Herrera-Luna, EM Felipe-Riveron, S Godoy-Calderon Pattern Recognition Letters 32 (8), 1139-1144	14	2011
The CR-Ω+ classification algorithm for spatio-temporal prediction of criminal activity S Godoy-Calderón, H Calvo, VM Martínez-Hernández, ... Journal of applied research and technology 8 (1), 5-23	3	2010
Assigning Library of Congress Classification codes to books based only on their titles R Ávila-Argüelles, H Calvo, A Gelbukh, S Godoy-Calderón Informatica 34 (1)	6	2010
Recognizing dactylogical symbols with image segmentation and a new differentiated weighting scheme LJ Razo Gil, S Godoy-Calderón, R Barrón Fernández Advances in Soft Computing: 9th Mexican International Conference on ...		2010
Juan Evencio Guzmán Trampe SG Calderón INSTITUTO POLITÉCNICO NACIONAL		2009
Recomendaciones metodológicas para el análisis de reactivos de opción múltiple en exámenes que integran diversas áreas del conocimiento TN Domínguez Mendoza, S Godoy Calderón Ciudad México: Instituto Politécnico Nacional	7	2008
Estrategias para el Desarrollo de las Capacidades de Abstracción y Razonamiento Abstracto en Estudiantes del Primer Semestre de ESIME Zacatenco. Una experiencia Práctica TN Domínguez Mendoza, S Godoy Calderón	1	2007
Using testor theory to reduce the dimension of neural network models R Vázquez, S Godoy-Calderón Special Issue in Neural Networks and Associative Memories 28, 93-103	17	2007
A Unified Methodology to Evaluate Supervised and Non-Supervised Classification Algorithms S Godoy Calderón, JF Martínez Trinidad, MS Lazo-Cortes, ...		2006

TITLE	CITED BY	YEAR
Computación y Sistemas 9 (4), 370-379		
Una Metodología Unificada para la Evaluación de Algoritmos de Clasificación tanto Supervisados como No-Supervisados S Godoy Calderón, JF Martínez Trinidad, MS Lazo-Cortes, ... Computación y Sistemas 9 (4), 370-379		2006
Evaluación de algoritmos de clasificación basada en el modelo estructural de cubrimientos S Godoy Calderón Godoy Calderón Salvador	11	2006
Proposal for a unified methodology for evaluating supervised and non-supervised classification algorithms SG Calderon, JF Martínez-Trinidad, ML Cortés 11th Iberoamerican Congress in Pattern Recognition, CIARP 2006		2006
Proposal for a unified methodology for evaluating supervised and non-supervised classification algorithms S Godoy-Calderón, JF Martínez-Trinidad, ML Cortés Progress in Pattern Recognition, Image Analysis and Applications: 11th ...		2006
A non-classical view of coverings and its implications in the formalization of pattern recognition problems. S Godoy-Calderon, M Lazo-Cortes, JF Martínez-Trinidad WSEAS Transactions Mathematics 2 (1), 60-66	11	2003
Un lenguaje formal (LCARS) y su intérprete, como plataforma para la especificación de problemas en Reconocimiento de Patrones. JEG Trampe, SG Calderón		
Performance Evaluation of Cellular Genetic Algorithms on Gpu M López-Juárez, RB Fernández, S Godoy-Calderón WHERE HIGH PERFORMANCE COMPUTING FLIES, 120		
An Improved Flexible Similarity Function for Clustering-Based Crime Analysis H Calvo, S Godoy-Calderón, MA Moreno-Armendáriz Advances in Computing Science, 25		
Navigation Based on Artificial Potential Fields Assisted by Heuristics D Silva Contreras, S Godoy-Calderon Available at SSRN 4585061		