

Authors	Title	Year	DOI	Publisher	Abbreviated Source Title
Acosta A., Ochoa-Zezzatti A., Aguilar-Lobo L.M., Ortiz-Bayliss J.C., Contreras	Or Sentiment Analysis Using Natural Language Processing	2022	10.1007/978-3-030-68663-5_10	Springer Science and Business Media Deutschland GmbH	Stud. Syst. Decis. Control
Cruz-Duarte J.M., Amaya I., Ortiz-Bayliss J.C., Contreras	Conc Hyper-Heuristics to customise metaheuristics for combinatorial optimization	2021	10.1016/j.swevo.2021.100935	Elsevier B.V.	Swarm Evol. Comput.
Cruz-Duarte J.M., Amaya I., Ortiz-Bayliss J.C., Contreras	Con Solving microelectronic thermal management problems	2021	10.1007/s10489-020-02164-7	Springer	Appl Intell
Jiménez C., Amaya I., Correa R.	SCSV_IPS: A software for the estimation of the shear modulus	2021	10.1016/j.softx.2021.100668	Elsevier B.V.	SoftwareX
Ortiz-Bayliss J.C., Amaya I., Cruz-Duarte J.M., Gutiérrez A.	A general framework based on machine learning for hyper-heuristics	2021	10.3390/app11062749	MDPI AG	Appl. Sci.
Vela A., Cruz-Duarte J.M., Ortiz-Bayliss J.C., Amaya I.	Tailoring Job Shop Scheduling Problem Instances	2021	10.1109/ACCESS.2021.3076426	Institute of Electrical and Electronics Engineers Inc.	IEEE Access
Olivas F., Amaya I., Ortiz-Bayliss J.C., Conant-Pablos	Enhancing Hyperheuristics for the Knapsack Problem	2021	10.1155/2021/8834324	Hindawi Limited	Comput. Intell. Neurosci.
Cruz-Duarte J.M., García-Pérez A., Amaya-Contreras	Assessing Film Coefficients of Microchannel Heat Exchangers	2021	10.1007/978-3-030-58930-1_25	Springer Science and Business Media Deutschland GmbH	Stud. Comput. Intell.
Jimenez C., Amaya I., Correa R.	Hybrid Thermal Treatment Based on Microwaves	2021	10.1007/s10765-020-02767-9	Springer	Int J Thermophys
Melchor-Leal J.M., Cantoral-Ceballos J.A.	Force profile characterization for thermostatic binoculars	2021	10.1109/TLA.2021.9443062	IEEE Computer Society	IEEE Lat. Am. Trans.
Lancho-Barrantes B.S., Ceballos-Cancino H.G., Contreras	Comparing the efficiency of countries to assimilate information	2021	10.1007/s11135-020-01063-w	Springer Science and Business Media B.V.	Qual. Quant.
Ayala-Bastidas G., Ceballos H.G., Cantu-Ortiz F.J.	A systematic review of recommendations of long-term research	2021	10.3390/computers10030035	MDPI AG	Comput.
Lancho-Barrantes B.S., Cantu-Ortiz F.J.	Quantifying the publication preferences of leading journals	2021	10.1007/s11192-020-03790-1	Springer Science and Business Media B.V.	Scientometrics
Miranda-Peña C., Ceballos H.G., Hervert-Escobar I.	Predicting Soccer Results Through Sentiment Analysis	2021	10.1007/978-3-030-77980-1_32	Springer Science and Business Media Deutschland GmbH	Lect. Notes Comput. Sci.
Ayala-Bastidas G., Ceballos H.G., Garza S.E., Cantu-Ortiz	Identifying Researchers' Publication Strategies by Topic	2021	10.1007/s12109-021-09832-7	Springer	Publ. Res. Q.
Gomez-Cravioto D.A., Diaz-Ramos R.E., Cantu-Ortiz	Data Analysis and Forecasting of the COVID-19 Spread	2021	10.1007/s12559-021-09885-y	Springer	Cognitive Comput.
Luevano L.S., Chang L., Heydi Mendez-Vazquez H., Martínez-Díaz	A Study on the Performance of Unconstrained Variable Length	2021	10.1109/ACCESS.2021.3080712	Institute of Electrical and Electronics Engineers Inc.	IEEE Access
Martínez-Díaz Y., Nicolás-Díaz M., Méndez-Vázquez	Benchmarking lightweight face architectures on standard datasets	2021	10.1007/s10462-021-09974-2	Springer Science and Business Media B.V.	Artif Intell Rev
Gonzalez-Soler L.J., Gomez-Barrero M., Chang L., Estrada-Torres	Fingerprint Presentation Attack Detection Based on Deep Learning	2021	10.1109/ACCESS.2020.3048756	Institute of Electrical and Electronics Engineers Inc.	IEEE Access
Estrada-Torres B., Camargo M., Dumas M., García-Milani	Discovering business process simulation models in a data-driven way	2021	10.1016/j.datak.2021.101897	Elsevier B.V.	Data Knowl Eng
Milani F., García-Bañuelos L., Filipova S., Markovski	Modelling blockchain-based business processes: a data-driven approach	2021	10.1108/BPMJ-06-2020-0263	Emerald Group Holdings Ltd.	Bus. Process Manage. J.
Dumas M., García-Bañuelos L., Jäger J., Laud P., Matuschewski	Multi-level privacy analysis of business processes: a data-driven approach	2021	10.1007/s10009-021-00636-w	Springer Science and Business Media Deutschland GmbH	Int. J. Softw. Tools Technol. Trans.
Brena R.F., Zuvirio E., Preciado A., Valdiviezo A., Gomez-Cravioto	Automated evaluation of foreign language speaking skills	2021	10.1007/s12008-021-00759-z	Springer-Verlag Italia s.r.l.	Int. J. Interact. Des. Manuf.
Delgado G.T., Hernández-Gress N.	Research professors' self-assessment of competence	2021	10.3390/fi13020041	MDPI AG	Future Internet
Gonzalez-Urquijo M., Tellez-Giron V.C., Martinez-Leon	Bowel obstruction as a serious complication of pancreatic cancer	2021	10.1007/s00595-020-02158-5	Springer	Surg. Today
Khodadoust J., Medina-Pérez M.A., Monroy R., Kheir	A multibiometric system based on the fusion of fingerprint and face	2021	10.1016/j.eswa.2021.114687	Elsevier Ltd	Expert Sys Appl
Lin I., Loyola-González O., Monroy R., Medina-Pérez	A review of fuzzy and pattern-based approaches for biometric authentication	2021	10.3390/app11146310	MDPI AG	Appl. Sci.
Samper-Escalante L.D., Loyola-González O., Monroy R.	Bot datasets on twitter: Analysis and challenges	2021	10.3390/app11094105	MDPI AG	Appl. Sci.
Loyola-González O., Mehner E.F.F., Morales A., Fierro	Impact of minutiae errors in latent fingerprint identification	2021	10.3390/app11094187	MDPI AG	Appl. Sci.
Valdes-Ramirez D., Medina-Pérez M.A., Monroy R.	An ensemble of fingerprint matching algorithms based on deep learning	2021	10.1007/s10044-020-00911-7	Springer Science and Business Media Deutschland GmbH	Pattern Anal. Appl.
Villa-Pérez M.E., Álvarez-Carmona M.Á., Loyola-González	Semi-supervised anomaly detection algorithms: A review	2021	10.1016/j.knosys.2021.106878	Elsevier B.V.	Knowl Based Syst
Rivera Rios E.J., Medina-Pérez M.A., Lazo-Cortés M.	Learning-based dissimilarity for clustering categorical data	2021	10.3390/app11083509	MDPI AG	Appl. Sci.
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Zhu H., Zhang C., Ramirez-Marquez J.E., Wu S., Mo	The Integration of Protection, Restoration, and Assessment	2021	10.1109/JSYST.2020.3039466	Institute of Electrical and Electronics Engineers Inc.	IEEE Syst. J.
Gonzalez-Nucamendi A., Noguez J., Neri L., Roblec	The prediction of academic performance using educational data	2021	10.1016/j.compeleceng.2021.107288	Elsevier Ltd	Comput Electr Eng
Miranda J., Navarrete C., Noguez J., Molina-Espinoza	The core components of education 4.0 in higher education	2021	10.1016/j.compeleceng.2021.107278	Elsevier Ltd	Comput Electr Eng
Del-Valle-soto C., Mex-Perera C., Nolasco-Flores J.A.	A low-cost jamming detection approach using percolation theory	2021	10.3390/s21041179	MDPI AG	Sensors
Nolasco-Flores J.A., Faundez-Zanuy M., Velazquez	Emotional state recognition performance improvement using deep learning	2021	10.1109/ACCESS.2021.3058443	Institute of Electrical and Electronics Engineers Inc.	IEEE Access
Ciprián-Sánchez J.F., Ochoa-Ruiz G., Rossi L., Morcillo	Assessing the impact of the loss function, architecture, and data	2021	10.3390/app11157046	MDPI AG	Appl. Sci.
Davalos-Guzman U., Castañeda C.E., Aguilar-Lobo	Design and implementation of a real time control system for a robot	2021	10.3390/app11031154	MDPI AG	Appl. Sci.
Basar S., Ali M., Ochoa-Ruiz G., Waheed A., Rodríguez	A Novel Defocused Image Segmentation Method	2021	10.1109/ACCESS.2021.3084905	Institute of Electrical and Electronics Engineers Inc.	IEEE Access
de la Rosa-Rivera F., Nunez-Varela J.I., Ortiz-Bayliss	Algorithm selection for solving educational timetabling problems	2021	10.1016/j.eswa.2021.114694	Elsevier Ltd	Expert Sys Appl
Portillo-Quintero J.A., Ortiz-Bayliss J.C., Terashima	A Straightforward Framework for Video Retrieval	2021	10.1007/978-3-030-77004-4_1	Springer Science and Business Media Deutschland GmbH	Lect. Notes Comput. Sci.
Valdovinos I.A., Millán P.E.F., Pérez-Díaz J.A., Varga	Distributed channel ranking scheduling function for multi-channel systems	2021	10.3390/s21051593	MDPI AG	Sensors
Sánchez-Montes S., Blum-Domínguez S., Lozano	Molecular detection of Rickettsia sp. cf. Rickettsia	2021	10.1007/s00436-021-07128-5	Springer Science and Business Media Deutschland GmbH	Parasitol. Res.
García-Olivares M., Romero-Córdoba S., Ortiz-Sánchez	Regulation of anti-tumorigenic pathways by the c-Myc oncogene	2021	10.1016/j.jsbmb.2021.105831	Elsevier Ltd	J. Steroid Biochem. Mol. Biol.
Granados-Montiel J., Cruz-Lemini M., Rangel-Escobedo	SERPINA9 and SERPINB2: Novel Cartilage Lineage Markers	2021	10.1177/1947603518809403	SAGE Publications Inc.	Cartilage
Tejeda-Ocampo C., López-Cuevas A., Terashima-Núñez	Improving deep interactive evolution with a style-transfer approach	2021	10.3390/e23010011	MDPI AG	Entropy
Perez-Torres R., Torres-Huitzil C., Truong T., Buckle	Using Context-Awareness for Storage Services in Cloud	2021	10.1109/MITP.2020.3043164	IEEE Computer Society	IT Prof

Guzmán-Velasco A, Ramírez-Cruz JI, Ruiz-Aymá	Great-tailed Grackles (<i>Quiscalus mexicanus</i>) as Bi	2021	10.1007/s00128-021-03250-3	Springer	Bull. Environ. Contam. Toxicol.
Vela-Vázquez DA, Sifuentes-Rincón AM, Delgado	Improvement of serum lipid parameters in consur	2021	10.1111/1750-3841.15739	Blackwell Publishing Inc.	J. Food. Sci.
Carmona-Salazar L, Cahoon R.E., Gasca-Pineda J	Plasma and vacuolar membrane sphingolipidome	2021	10.1093/plphys/kiab064	American Society of Plant Biologists	Plant Physiol.
Garza-Rodríguez M.L., Oyervides-Muñoz MA, Pérez	Analysis of hpv integrations in mexican pre-tumor	2021	10.3390/ijms22063242	MDPI AG	Int. J. Mol. Sci.
Garza-Rodríguez M.L., Treviño V., Pérez-Maya AA.	Identification of a novel pathogenic rearrangeme	2021	10.3390/diagnostics11030411	MDPI AG	Diagn.
Yan F., Zhao S., Venegas-Andraca S.E., Hirota K.	Implementing bilinear interpolation with quantum	2021	10.1016/j.dsp.2021.103149	Elsevier Inc.	Digital Signal Process Rev J
Abd El-Latif A.A., Abd-El-Atty B., Mehmood I., Muhi	Quantum-Inspired Blockchain-Based Cybersecurit	2021	10.1016/j.ipm.2021.102549	Elsevier Ltd	Inf. Process. Manage.
Almanza-Arjona Y.C., Miranda-Camargo L.A., Vene	Design and development of a mobile app as a lec	2021	10.1007/978-3-030-49339-4_22	Springer	Adv. Intell. Sys. Comput.
Adnan M., Iqbal J., Waheed A., Amin N.U., Zareei M	Towards the design of efficient and secure archite	2021	10.3390/s21113902	MDPI AG	Sensors
Soleymani S.A., Goudarzi S., Anisi M.H., Zareei M., A	A security and privacy scheme based on node an	2021	10.1016/j.vehcom.2021.100335	Elsevier Inc.	Veh. Commun.
Adnan M., Iqbal J., Waheed A., Amin N.U., Zareei M	On the design of efficient hierarchic architecture f	2021	10.3390/s21041400	MDPI AG	Sensors
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Al-Zahrani F.A., Khan I., Zareei M., Zeb A., Waheed	Resource allocation and optimization in device-to	2021	10.32604/cmc.2021.018386	Tech Science Press	Comput. Mater. Continua
Shaheen M., Khan R., Biswal R.R., Ullah M., Khan A.	Acute Myeloid Leukemia (AML) Detection Using Al	2021	10.1155/2021/6658192	Hindawi Limited	Complexity
Jan L., Zafar M.H., Waheed A., Zareei M., Alanazi F.	Ergodic capacity evaluation of multi-hop decode-	2021	10.32604/cmc.2021.014857	Tech Science Press	Comput. Mater. Continua
Mohamed E.M., Hashima S., Hatano K., Aldossari S	Two-Hop Relay Probing in WiGig Device-to-Device	2021	10.1109/LWC.2021.3074972	Institute of Electrical and Electronics Engineers Inc.	IEEE Wireless Commun. Lett.
Khan S., Khan S., Zareei M., Alanazi F., Kama N., Al	ABKS-PBM: Attribute-Based Keyword Search with	2021	10.1109/ACCESS.2021.3068194	Institute of Electrical and Electronics Engineers Inc.	IEEE Access
Mustafa A., Wan-Kadir W.M.N., Ibrahim N., Shah M.	Automated test case generation from requiremen	2021	10.32604/cmc.2021.014391	Tech Science Press	Comput. Mater. Continua
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Waheed A., Khan N.H., Zareei M., Islam S.U., Jan L.	Traffic queuing management in the internet of thi	2021	10.32604/cmc.2020.012196	Tech Science Press	Comput. Mater. Continua
Silva-Gálvez A., Orozco-Sanchez J., Lara-Cardena	Discovering Action Regions for Solving the Bin Pa	2020	10.1109/SSCI47803.2020.9308538	Institute of Electrical and Electronics Engineers Inc.	IEEE Symp. Ser. Comput. Intell., SS
Lara-Cardenas E., Silva-Gálvez A., Ortiz-Bayliss J.C	Exploring Reward-based Hyper-heuristics for the	2020	10.1109/SSCI47803.2020.9308131	Institute of Electrical and Electronics Engineers Inc.	IEEE Symp. Ser. Comput. Intell., SS
Cruz-Duarte J.M., Ortiz-Bayliss J.C., Amaya I., Shi Y	Towards a generalised metaheuristic model for cc	2020	10.3390/math8112046	MDPI AG	Mathematics
Roa M., Amaya I., Correa R.	Effect of solvent polarity during electrodeposition	2020	10.1088/1742-6596/1587/1/012003	Institute of Physics Publishing	J. Phys. Conf. Ser.
Roa M., Amaya I., Correa R.	Thermogravimetric and calorimetric dataset for e	2020	10.1016/j.dib.2020.105875	Elsevier Inc.	Data Brief
Cruz-Duarte J.M., Amaya I., Ortiz-Bayliss J.C., Tera	CUSTOMHyS: Customising Optimisation Metaheur	2020	10.1016/j.softx.2020.100628	Elsevier B.V.	SoftwareX
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Garza-Santisteban F., Amaya I., Cruz-Duarte J., Or	Exploring Problem State Transformations to Enha	2020	10.1109/CEC48606.2020.9185709	Institute of Electrical and Electronics Engineers Inc.	IEEE Congr. Evol. Comput., CEC - C
Cruz-Duarte J.M., Amaya I., Ortiz-Bayliss J.C., Con	A Primary Study on Hyper-Heuristics to Customise	2020	10.1109/CEC48606.2020.9185591	Institute of Electrical and Electronics Engineers Inc.	IEEE Congr. Evol. Comput., CEC - C
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Cruz-Duarte J.M., Amaya I., Correa R.	Analysis of the Effect of the Orthotropic Thermal	2020	10.1007/s10765-020-02664-1	Springer	Int J Thermophys
Lara-Cárdenas E., Sánchez-Díaz X., Amaya I., Cruz A	Genetic Programming Framework for Heuristic	2020	10.1007/978-3-030-60884-2_21	Springer Science and Business Media Deutschland GmbH	Lect. Notes Comput. Sci.
Sanchez M., Cruz-Duarte J.M., Ortiz-Bayliss J.C., C	A Systematic Review of Hyper-Heuristics on Com	2020	10.1109/ACCESS.2020.3009318	Institute of Electrical and Electronics Engineers Inc.	IEEE Access
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Cantú-Ortiz F.J., Galeano Sánchez N., Garrido L., T	An artificial intelligence educational strategy for tl	2020	10.1007/s12008-020-00702-8	Springer-Verlag Italia s.r.l.	Int. J. Interact. Des. Manuf.
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Trevino-Lozano R., Martínez-Gutiérrez J.R., Javier	Analysis of hydrocarbon fuels imports under a ne	2020	10.1109/ICCAIS48893.2020.9096848	Institute of Electrical and Electronics Engineers Inc.	ICCAIS - Int. Conf. Comput. Appl. I
De Luna Pamanes A., Urbina J.A.A., Ortiz F.J.C., Cai	The World University Rankings Model Validation c	2020	10.1109/ICCAIS48893.2020.9096841	Institute of Electrical and Electronics Engineers Inc.	ICCAIS - Int. Conf. Comput. Appl. I
Angeles Ceron J.C., Jaideny Perez Gomez L., Ceba	Twitter Data Analysis on the Topic: Tec de Monter	2020	10.1109/ICCAIS48893.2020.9096806	Institute of Electrical and Electronics Engineers Inc.	ICCAIS - Int. Conf. Comput. Appl. I
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Hurst-Tarrab N., Chang L., Gonzalez-Mendoza M., I	Robust parking block segmentation from a surve	2020	10.3390/APP10155364	MDPI AG	Appl. Sci.
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Byrd E., González-Mendoza M., Chang L.	Exploitation of Deaths Registry in Mexico to Estim	2020	10.1007/978-3-030-60884-2_35	Springer Science and Business Media Deutschland GmbH	Lect. Notes Comput. Sci.
Milani F., Garcia-Banuelos L., Reijers H.A., Stepany	Business Process Redesign Heuristics for Blockch	2020	10.1109/EDOC49727.2020.000033	Institute of Electrical and Electronics Engineers Inc.	Proc. - IEEE Int. Enterp. Distrib. Ob
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Rebollar A.M., Mendoza M.G., Esquivel H.E., Francis	Automatic detection of social isolation based on f	2020	10.135053/CYS-24-4-3444	Instituto Politecnico Nacional	Comput. Syst.
Aliaga T, Estrada H., Mendoza M.G., Pizzoli D.	SMARTSDK - A FIWARE-Based Software Develop	2020	10.1007/978-3-030-63161-1_18	Springer Science and Business Media Deutschland GmbH	Commun. Comput. Info. Sci.
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Lozano-Medina J.I., Hervert-Escobar L, Hernande	Risk profiles of financial service portfolio for wom	2020	10.1007/978-3-030-50436-6_42	Springer Science and Business Media Deutschland GmbH	
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Sanchez-Fernandez A.J., Romero L.F., Peralta D., N	Asynchronous Processing for Latent Fingerprint Ic	2020	10.1109/ACCESS.2020.3005476	Institute of Electrical and Electronics Engineers Inc.	IEEE Access
Ramírez-Sáyago E., Loyola-González O., Medina-F	Towards inpainting and denoising latent fingerpri	2020	10.1007/978-3-030-49076-8_8	Springer	Lect. Notes Comput. Sci.
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