



Artículo	Nombre de la revista	JCR	Año
Horlando Vargas-Vargas, José Sáez-Landete, Philip Siegmann, César Camacho-Bello, 2022, "Validation of solid mechanics models using modern computation techniques of Zernike moments", Mechanical Systems and Signal Processing, Volume 173, https://doi.org/10.1016/j.ymssp.2022.109019	Mechanical Systems and Signal Processing	6.823	2022
Juan M. Islas-Islas, Germán Reséndiz-López, José G. Ortega-Mendoza, Luis García-Lechuga, Adolfo Quiroz, David-Ignacio Serrano-García, Benito Canales-Pacheco, Noel-Ivan Toto-Arellano, 2022, "Characterizations and Use of Recycled Optical Components for Polarizing Phase-Shifting Interferometry Applications", Photonics, https://doi.org/10.3390/photonics9030125	Photonics	2.676	2022
M.A. Márquez-Vera, L.E. Ramos-Velasco, O. López-Ortega, N.S. Zúñiga-Peña, J. C. Ramos-Fernández, R.M. Ortega-Mendoza, 2021, "Inverse fuzzy fault model for fault detection and isolation with least angle regression for variable selection", Computers & Industrial Engineering, 159(107499). https://doi.org/10.1016/j.cie.2021.107499	Computers & Industrial Engineering	5.431	2021
Mario Arreola-Esquivel, Carina Toxqui-Quitl, Maricela Delgadillo-Herrera, Alfonso Padilla-Vivanco, Gabriel Ortega-Mendoza and Anna Carbone, 2021, "Non-Binary Snow Index for Multi-Component Surfaces", Remote Sensing, 13(2777). https://doi.org/10.3390/rs13142777	Remote Sensing	4.848	2021
A. Cárdenas, J. Delgado, M. Cunill, and E. González, 2021, "In-vivo measurement of the fluorescence spectrum of wild cochineal (<i>Dactylopius opuntiae</i>)," Scientific Reports, 11(446). https://doi.org/10.1038/s41598-020-80108-4	Scientific Reports	4.379	2021
Horlando Vargas-Vargas, César Camacho-Bello, José S. Rivera-López, Alicia Noriega-Escamilla, "Some aspects of fractional-order circular moments for image analysis", Pattern Recognition Letters, 2021. https://doi.org/10.1016/j.patrec.2021.06.006	Pattern Recognition Letters	3.756	2021
Ortega-Mendoza, J.G.; Zaca-Morán, P.; Padilla-Martínez, J.P.; Muñoz-Pérez, J.E.; Cruz, J.L.; Andrés, M.V. 2021, "Monitoring the Growth of a Microbubble Generated Photothermally onto an Optical Fiber by Means Fabry–Perot Interferometry". Sensors, 21 (28). https://doi.org/10.3390/s21020628	Sensors	3.576	2021
Laura Benita Alvarado-Cruz, Carina Toxqui-Quitl, Raúl Castro-Ortega, Alfonso Padilla-Vivanco and José Humberto Arroyo-Núñez, Highly Discriminative Physiological Parameters for Thermal Pattern Classification, REVISTA DIGITAL: SENSORS, 2021, https://doi.org/10.3390/s21227751	Sensors	3.576	2021
F. M. Muñoz-Pérez, J.G. Ortega-Mendoza, A. Padilla-Vivanco, C. Toxqui-Quitl, J.A. Sarabia-Alonso, and R. Ramos-García, 2020,	Frontiers in physics	3.56	2021



<p>"Steady-state 3D trapping and manipulation of microbubbles using thermocapillary," <i>Frontiers in physics</i> 8, 585590, 1-8. https://doi.org/10.3389/fphy.2020.585590</p>			
<p>J.E. Muñoz-Pérez, J.L. Cruz, M.V. Andrés, J.G. Ortega-Mendoza, "Conic optical fiber probe for generation and characterization of microbubbles in liquids", <i>Sensors and Actuators A- Physical</i>, Volume 317, 2021, 112441. https://doi.org/10.1016/j.sna.2020.112441</p>	Sensors and Actuators A-Physical	3.407	2021
<p>José de Jesús Títla-Tlatelpa, Rosa María Ortega-Mendoza, Manuel Montes-y-Gómez, Luis Villaseñor-Pineda, A profile-based sentimentaware approach for depression detection in social media, <i>EPJ Data Science</i>, 2021, https://doi.org/10.1140/epjds/s13688-021-00309-3</p>	EPJ Data Science	3.184	2021
<p>Francisco Germán Mejía-Hernández, Oscar Javier Hernández-Ortíz, Francisco Misael Muñoz-Pérez, Armando Irving Martínez-Pérez, Rosa Angeles Vázquez-García, E. E. Vera-Cárdenas, José Gabriel Ortega-Mendoza, María Aurora Veloz-Rodríguez, Esteban Rueda-Soriano, and Karina Alemán-Ayala. 2021, "Mechanochemical synthesis, linear and nonlinear optical properties of a new oligophenyleneimine with indole terminal moiety for optoelectronic application", <i>Journal of Materials Science: Materials in Electronics</i>, 32, 6283–6295.</p>	Journal of Materials Science: Materials in Electronics	2.478	2021
<p>J. Saúl Rivera-Lopez, César Camacho-Bello, Horlando Vargas-Vargas, Alicia Escamilla-Noriega, 2021, "Fast computation of 3D Tchebichef moments for higher orders", <i>Journal of Real-Time Image Processing</i>. https://doi.org/10.1007/s11554-021-01152-5</p>	Journal of Real-Time Image Processing	2.358	2021
<p>Márquez-Vera, M.A., López-Ortega, O., Ramos-Velasco, L.E., Ortega-Mendoza, R.M., Fernández-Neri, B.J., Zúñiga-Peña, N.S., 2021, "Fault diagnosis in industrial process by using LSTM and an elastic net", <i>Revista Iberoamericana de Automática e Informática Industrial</i> 18, 164-175. https://doi.org/10.4995/riai.2020.13611</p>	Revista Iberoamericana de Automática e Informática Industrial	1.202	2021
<p>Rosa María Ortega-Mendoza, Delia Irazú Hernández-Farías, Manuel Montes-y-Gómez, Luis Villaseñor-Pineda, Revealing traces of depression through personal statements analysis in social media, <i>Artificial Intelligence in Medicine</i>, Volume 123, January 2022, https://doi.org/10.1016/j.artmed.2021.102202</p>	Artificial Intelligence in Medicine	0.98	2021
<p>Aguilera, J., Hernández Farías D.I, Ortega-Mendoza, R.M., Montes-yGómez M. (2021) Depression and anorexia detection in social media as a one-class classification problem. <i>Applied Intelligence</i> 51, 6088–6103. https://doi.org/10.1007/s10489-020-02131-2</p>	Applied Intelligence	0.79	2021
<p>Clementina Rueda-Germán, Ivan de Jesús Rivas Cambero, Hossam A. Gabbar, and Humberto Arroyo-Núñez, PLL wrap function for</p>	Ingeniería e Investigación	0.764	2021



synchronization in phase jump disturbances, Ingeniería e Investigación, No 1, Vol 41, 2021. ISSN 2248-8723 http://dx.doi.org/10.15446/ing.investig.v41n1.84955			
J.M. Cuvas-Limón, J.G. Ortega-Mendoza, J.P. Padilla-Martínez, and P. Zaca-Morán. 2021, "Measurement of two-photon absorption by gold nanoparticles of different sizes photodeposited onto the core of an optical fibre", Lithuanian Journal of Physics, 61(1), pp. 35–41.	Lithuanian Journal of Physics	0.633	2021
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R Enríquez, H Raluy, S Vega. Desarrollo del pensamiento computacional en niñas y niños usando actividades desconectadas y conectadas de computadora. RIDE Revista Iberoamericana para la Investigación y el Desarrollo Educativo. Vol 12. Num 23, 2021, ISSN: 2007-7467: https://doi.org/10.23913/ride.v12i23.1079	Revista Iberoamericana para la Investigación y el Desarrollo Educativo		2021
Ferran Mocholí Belenguer, Antonio Martínez-Millana, Antonio Mocholí Salcedo, José Humberto Arroyo Núñez, "Vehicle Identification by Means of Radio-Frequency-Identification Cards and Magnetic Loops", IEEE Transactions on Intelligent Transportation Systems, Volume 21, Issue 12, 2020. https://doi.org/10.1109/TITS.2019.2948221	IEEE Transactions on Intelligent Transportation Systems	6.492	2020
E. González-Amador, A. Padilla-Vivanco, C. Toxqui-Quitl, J. Arines, and E. Acosta, 2020, "Jacobi–Fourier phase mask for wavefront coding," Optics and Lasers in Engineering, 126. https://www.sciencedirect.com/science/article/pii/S0143816618316956	Optics and Lasers in Engineering	4.059	2020
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Juan Aguilera, Delia Irazú Hernández Farías, Rosa María Ortega Mendoza y Manuel Montes-y-Gómez. 2020, "Depression and anorexia detection in social media as a one-class classification	Applied Intelligence	3.325	2020



problem", Applied Intelligence. https://doi.org/10.1007/s10489-020-02131-2			
J.M. Islas Islas, Victor H. Flores-Muñoz, D.-I. Serrano-García, J.G. Ortega-Mendoza, M. Durán-Sánchez, A. Guzmán-Barraza, Noel-Ivan Toto-Arellano, 2020, "Development of a dynamic interferometer using recycled components based on polarization phase shifting techniques," Optics and Laser Technology, 123, 105915 (12 pp). https://www.sciencedirect.com/science/article/pii/S0030399219309405?dgcid=author	Optics & Laser Technology	3.319	2020
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E. González, A. Padilla-Vivanco, J. Arines, M. Olvera-Angeles, and E. Acosta, 2020, "Choice of Jacobi-Fourier phase masks for wavefront coding under different f-number," Japanese Journal of Applied Physics. Accepted Manuscript. https://iopscience.iop.org/article/10.35848/1347-4065/ab9652	Japanese Journal of Applied Physics	1.471	2020
A. Manilla-García, I. Rivas-Camero, N.F. Guerrero-Rodríguez, "Propuesta de Modelo de Variación de Consumo de Corriente de un MSIP por Efecto de Desbalance por Presencia de Grietas Superficiales en el Rotor", Revista Iberoamericana de Automática e Informática Industrial. 2020. 00, 1-5. ACEPTADO PARA PUBLICACIÓN. https://polipapers.upv.es/index.php/RIAI/article/view/12200/12660	Revista Iberoamericana de Automática e Informática Industrial	1.313	2020
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Raúl Castro-Ortega, Carina Toxqui-Quitl, Alfonso Padilla-Vivanco, Jose Francisco Solís-Villarreal, Eber Enrique Orozco-Guillén, 2019," Zernike moment invariants for hand vein pattern description from raw biometric data," J. Electron. Imaging, 28(5), 53019. https://www.spiedigitallibrary.org/journals/journal-of-electronicimaging/volume-28/issue-5/053019/Zernike-moment-invariants-for-hand-vein-pattern-description-fromraw/10.1117/1.JEI.28.5.053019.full?SSO=1	J. Electron. Imaging	0.924	2019
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H. Yañez-Badillo, R. Tapia-Olvera, O Aguilar-Mejía, F. Beltran-Carbajal, Control Neuronal en Línea para Regulación y Seguimiento de Trayectorias de Posición para un Quadrotor, Revista Iberoamericana de Automática e Informática Industrial RIAI, Volume 14, Issue 2, April–June 2017, Pages 141-151 https://www.sciencedirect.com/science/article/pii/S1697791217300031	Revista Iberoamericana de Automática e Informática Industrial RIAI	1.313	2017



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<p>Mocholí-Salcedo, A., Arroyo-Núñez, JH, Milián-Sánchez, VM, Verdú-Martín, GJ y Arroyo-Núñez, A. (2016). Control de tráfico de bucles magnéticos con variación de características eléctricas debido al paso de vehículos sobre ellos. Transacciones IEEE sobre sistemas de transporte inteligentes, 18 (6), 1540-1548. https://ieeexplore.ieee.org/abstract/document/7636945</p>	IEEE Transactions on Intelligent Transportation Systems	5.744	2016
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<p>A comparative note on the relaxation algorithms for the linear semiinfinite feasibility problema, A Ferrer, MA Goberna, E González-Gutiérrez, MI Todorov, Annals of Operations Research 258 (2), 587-61 https://link.springer.com/article/10.1007/s10479-016-2135-2</p>	Annals of Operations Research	2.284	2016
<p>P Zaca-Morán, R Ramos-García, JG Ortega-Mendoza, F Chávez, GF Pérez-Sánchez, C Felipe, 2015, "Saturable and two-photon absorption in zinc nanoparticles photodeposited onto the core of an optical fiber" Optics express, 23(14), 18721-18729. https://www.osapublishing.org/oe/abstract.cfm?uri=oe-23-14-18721</p>	Optics express	3.561	2015
<p>Omar Aguilar-Mejía, Rubén Tapia-Olvera, Antonio Valderrabano-González & Iván Rivas Cambero (2015): "Adaptive neural network control of chaos in permanent magnet synchronous motor", Intelligent Automation & Soft Computing, DOI:10.1080/10798587.2015.1103971, ISSN 2326- 005X. https://www.tandfonline.com/doi/full/10.1080/10798587.2015.1103971?scroll=top&needAccess=true</p>	Intelligent Automation & Soft Computing	0.79	2015
<p>J. Gabriel Ortega-Mendoza, Alfonso Padilla-Vivanco, Carina Toxqui-Quitl, Placido Zaca-Morán, David Villegas-Hernández and Fernando Chávez, 2014, "Optical Fiber Sensor Based on Localized Surface Plasmon Resonance Using Silver Nanoparticles Photodeposited on the Optical Fiber End" Sensors, 14(10), 18701-18710. ISSN: 1424-8220. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4239935/</p>	Sensors	3.576	2014
<p>C. Camacho Bello, C. Toxqui Quitl, A. Padilla- Vivanco and J. Báez Rojas, 2014, "High precision and fast computation of Jacobi-Fourier moments for image description," JOSA A, vol 31, Iss 1, pp. 124-134. ISSN: 1084-7529. https://www.osapublishing.org/josaa/abstract.cfm?uri=josaa-31-1-124</p>	Journal of the Optical Society of America A	1.861	2014