

LGAC	INVESTIGADOR	AUTOR	TITULO	AÑO	ISBN
SISTEMAS DE INSTRUMENTACIÓN Y PROCESAMIENTO ÓPTICO	Dr. Roberto Carrasco Alvarez	Rodrigo Calderón Rico MANUAL Autor Roberto Carrasco Alvarez MANUAL Autor Javier Vázquez Castillo	Dynamic wavelet-based pilot allocation algorithm for OFDM-based cognitive radio systems	2018	ISSN: 10184864
		J. Vazquez Castillo WOK Autor R. Carrasco-Alvarez WOK Autor R. Carreon-Villal WOK Autor J. Ortegon Aguilar WOK Autor O. Longoria-Gandara WOK Autor A. Castillo Atoche	A Triply Selective MIMO Channel Simulator Using GPUs	2018	ISSN: 15308669
		J. V. CASTILLO MANUAL Autor I. VILLALÓN¿TURRUBIATES MANUAL Autor O. PÉREZ-MARTÍN MANUAL Autor J. O. AGUILAR MANUAL Autor R. C. ALVAREZ	Enhancement and Edge-Preserving Denoising: An OpenCL-Based Approach for Remote Sensing Imager	2016	ISSN: 1939-1404
		R. CARRASCO-ALVAREZ MANUAL Autor C. GUTIERREZ MANUAL Autor J. M. TREJO-ARELLANO MANUAL Autor O. LONGORIA-GANDARA MANUAL Autor J. VAZQUEZ-CASTILLO	A novel function segmentation methodology for implementing affordable channel emulators	2016	ISSN: 09042876
		ROBERTO CARRASCO-ALVAREZ MANUAL Autor EDUARDO ROMERO-AGUIRRE MANUAL Autor OMAR LONGORIA-GANDARA MANUAL Autor RAMON PARRA-MICHEL	Iterative MIMO Detection and Channel Estimation Using Joint Superimposed and Pilot-Aided Training	2016	ISSN: 1875-905X
		J. VÁZQUEZ CASTILLO MANUAL Autor J. ORTEGÓN AGUILAR MANUAL Autor A. CASTRO ANGULO MANUAL Autor R. CARRASCO ALVAREZ MANUAL Autor O. PALMA MARRUFO MANUAL Autor A. Castillo Atoche	A case study of OpenCL-based parallel programming for low-power remote sensing applications	2015	ISBN:978-1-4673-7837-6
		O. LONGORIA GANDARAZ MANUAL Autor A. CASTILLO ATOCHE MANUAL Autor R. CARRASCO ALV MANUAL Autor J. VAZQUEZ CASTILLOY MANUAL Autor L. CANCHE SANTOS	An improved hardware design for matrix inverse based on systolic array QR decomposition and piecewise polynomial approximation	2015	ISBN: 978-1-4673-9405-5
		R. Carrasco-Alvarez, J. Vázquez Castillo, A. Castillo Atoche, J. Ortegón Aguilar	A Fading Channel Simulator Implementation Based on GPU Computing Techniques	2015	1024-123X
		Alejandro Castillo Atoche, Javier Vázquez Castillo, Jaime Ortegón-Aguilar, Roberto Carrasco-Alvarez, Jesús Sandoval Gío, Adrian Colli-	A high-accuracy photovoltaic emulator system using ARM processors	2015	0038-092X
		A. Castillo Atoche, R. Carrasco Alvarez, J. Ortegón Aguilar, J.	A New Tool for Intelligent Parallel Processing of Radar/SAR Remotely Sensed Imagery	2013	1024-123X
		F. Peña-Campos, Roberto Carrasco-Alvarez, O. Longoria-Gandara, R. Parra-Michel	Estimation of Fast Time-Varying Channels in OFDM Systems Using Two-Dimensional Prolate	2013	1536-1276
		Eduardo Romero-Aguirre, Roberto Carrasco-Alvarez, Ramón Parra-Michel, Aldo G. Orozco-Lugo, Antonio F. Mondragón-Torres	Full-Hardware Architectures for Data-Dependent Superimposed Training Channel Estimation	2013	1939-8018
		M.A. Gurrola-Navarro, R. Carrasco-Alvarez, A.S. Medina-Vazquez, G. Espinosa-Flores-Verdad	On-chip wavelet denoising system implemented with analogue circuits	2013	0013-5194