

Oscar G Ibarra-Manzano

List of Publications by Year in descending order

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46
papers

361
citations

1162367

8
h-index

794141

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g-index

46
all docs

46
docs citations

46
times ranked

208
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-variant linear optimal finite impulse response estimator for discrete state-space models. International Journal of Adaptive Control and Signal Processing, 2012, 26, 95-104.	2.3	64
2	Optimal Synchronization of Local Clocks by GPS 1PPS Signals Using Predictive FIR Filters. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1833-1840.	2.4	52
3	Digital Image Processing Technique for Breast Cancer Detection. International Journal of Thermophysics, 2013, 34, 1519-1531.	1.0	44
4	Distributed Unbiased FIR Filtering With Average Consensus on Measurements for WSNs. IEEE Transactions on Industrial Informatics, 2017, 13, 1440-1447.	7.2	39
5	Noise Power Gain for Discrete-Time FIR Estimators. IEEE Signal Processing Letters, 2011, 18, 207-210.	2.1	26
6	Blind Robust Estimation With Missing Data for Smart Sensors Using UFIR Filtering. IEEE Sensors Journal, 2017, 17, 1819-1827.	2.4	23
7	Optimal FIR filtering of the clock time errors. Metrologia, 2008, 45, 571-576.	0.6	21
8	Distributed UFIR Filtering Over WSNs With Consensus on Estimates. IEEE Transactions on Industrial Informatics, 2020, 16, 1645-1654.	7.2	14
9	Predictive Tracking Under Persistent Disturbances and Data Errors Using H_2 FIR Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 6121-6129.	5.2	10
10	Analysis of a Sagnac interferometer with low-birefringence twisted fiber. Optics and Lasers in Engineering, 2003, 39, 635-643.	2.0	8
11	A stochastic analysis of an anharmonic sensor phase response. IEEE Sensors Journal, 2003, 3, 158-163.	2.4	7
12	Synthesis and nonlinear optical behavior of Ag nanoparticles in PMMA. Microelectronics Journal, 2009, 40, 621-623.	1.1	7
13	Implementation of Digital Unbiased FIR Filters with Polynomial Impulse Responses. Circuits, Systems, and Signal Processing, 2012, 31, 611-626.	1.2	7
14	Optical switching by coherent collision of spatial solitons. Electronics Letters, 2000, 36, 1403.	0.5	5
15	Drift Errors in Passive Remote Wireless SAW Sensing With Multiple DPM. IEEE Sensors Journal, 2009, 9, 774-781.	2.4	5
16	Synthesis and optical characterization of Ag ₂ O nanoparticles. Microelectronics Journal, 2009, 40, 618-620.	1.1	5
17	Optimal finite impulse response estimation of linear models in receiver channels with imbedded digital signal processing units. IET Signal Processing, 2012, 6, 281.	0.9	5
18	Numerical analysis of supercontinuum generation in photonic-crystal fibers with zero dispersion wavelengths in telecommunication windows. Optik, 2016, 127, 10981-10990.	1.4	4

#	ARTICLE	IF	CITATIONS
19	Computationally Efficient FIR Filtering of Polynomial Signals in DFT Domain. Circuits, Systems, and Signal Processing, 2012, 31, 2153-2166.	1.2	3
20	Pattern Recognition in Photoacoustic Dataset. International Journal of Thermophysics, 2013, 34, 1638-1645.	1.0	3
21	Regularization and Enhanced in Radar Images Via Fusing the Maximum Entropy and Variational Analysis Methods (MEVA). Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq1 1@.784314rgBT /Otel		
22	Studies of optimal memory for discrete-time fir filters in state-space. , 2012, , .		2
23	<title>Self bending of spatial solitons in a nonlinear interface governed by drift and diffusion mechanism</title>. , 2001, , .		1
24	<title>Design of an interferogram fringe counter based on LabVIEW</title>. , 2001, 4419, 309.		1
25	Probability density function approximation using fuzzy rules. , 2006, , .		1
26	Optimization of chirped mirrors. , 2008, , .		1
27	Experimental evidence of internal reflection of two-dimensional beam in photorefractive (SBN61:Ce) interface. , 2000, , .		0
28	Nonlinear optical properties in PMMA films with dispersed silver nanoparticles. , 2000, 4087, 924.		0
29	<title>Optical sensed image fusion with dynamic neural networks</title>. , 2001, 4419, 632.		0
30	<title>Experimental observation of spatial bright soliton branching in a SBN61:Ce crystal</title>. , 2001, , .		0
31	<title>Identification of the multipath parameters of propagation channels with scattering</title>. , 2001, , .		0
32	Linear and nonlinear optical characterization of PMMA clusters with Ni nanoparticles dispersed. , 2003, 4833, 617.		0
33	All optical switching by total internal reflection in nonlinear interface of (2+1)D beams in SBN61:Ce. , 2003, , .		0
34	Spectral filter for the stokes suppression in the stimulated raman scattering. , 2003, , .		0
35	Optical sensed image fusion based on neural networks. , 2003, 4833, 121.		0
36	Analysis of a low-birefringence fiber Sagnac interferometer by twisted fiber. , 2003, , .		0

#	ARTICLE	IF	CITATIONS
37	Noise conversion in crystal oscillators. , 2004, , .		0
38	pH sensor based on sol-gel silica layer deposited on a plastic optical fiber with blue bromophenol. , 2004, , .		0
39	Optical fiber current sensor based on a magnetic structure. , 2005, , .		0
40	Using the wavelet transform for processing signals of a counter of speckle. , 2005, , .		0
41	Determining optimum sampling intervals for the local clock states estimated with an unbiased fir algorithm: an applied software. , 2006, , .		0
42	Extended UFIR filtering of nonlinear models corrupted by white Gaussian noise. , 2012, , .		0
43	A Linear Optimal Transversal Filter for Time-Varying Receiver Channels. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1703-1712.	2.6	0
44	Fast and Accurate Cell Tracking by a Novel Optical-Digital Hybrid Method. International Journal of Thermophysics, 2013, 34, 1435-1443.	1.0	0
45	Improving Myoelectric Prosthetic Arm Proportional Control Under MUAP Envelope Colored Noise. IEEE Access, 2021, 9, 42845-42856.	2.6	0
46	Measurements and Estimation of the TIE of a Crystal Clock Using an Unbiased Fir Filtering Algorithm. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2005, 64, 543-548.	0.2	0