

Luis Gomez

List of Publications by Year in descending order

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47
papers

582
citations

686830

13
h-index

713013

21
g-index

51
all docs

51
docs citations

51
times ranked

545
citing authors

#	ARTICLE	IF	CITATIONS
1	Unassisted Quantitative Evaluation of Despeckling Filters. Remote Sensing, 2017, 9, 389.	1.8	63
2	An Algebraic Approach to Lens Distortion by Line Rectification. Journal of Mathematical Imaging and Vision, 2009, 35, 36-50.	0.8	60
3	Automatic Lens Distortion Correction Using One-Parameter Division Models. Image Processing on Line, 0, 4, 327-343.	0.0	47
4	An Iterative Optimization Algorithm for Lens Distortion Correction Using Two-Parameter Models. Image Processing on Line, 0, 6, 326-364.	0.0	37
5	A New Image Quality Index for Objectively Evaluating Despeckling Filtering in SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1297-1307.	2.3	31
6	A Badging System for Reproducibility and Replicability in Remote Sensing Research. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4988-4995.	2.3	27
7	Algebraic Lens Distortion Model Estimation. Image Processing on Line, 0, 1, 1-10.	0.0	24
8	Camera calibration in sport event scenarios. Pattern Recognition, 2014, 47, 89-95.	5.1	22
9	Fully PolSAR image classification using machine learning techniques and reaction-diffusion systems. Neurocomputing, 2017, 255, 52-60.	3.5	22
10	Accurate Depth Dependent Lens Distortion Models: An Application to Planar View Scenarios. Journal of Mathematical Imaging and Vision, 2011, 39, 75-85.	0.8	20
11	Line detection in images showing significant lens distortion and application to distortion correction. Pattern Recognition Letters, 2014, 36, 261-271.	2.6	20
12	Automatic correction of perspective and optical distortions. Computer Vision and Image Understanding, 2017, 161, 1-10.	3.0	20
13	Zoom Dependent Lens Distortion Mathematical Models. Journal of Mathematical Imaging and Vision, 2012, 44, 480-490.	0.8	19
14	Invertibility and Estimation of Two-Parameter Polynomial and Division Lens Distortion Models. SIAM Journal on Imaging Sciences, 2015, 8, 1574-1606.	1.3	18
15	Supervised Constrained Optimization of Bayesian Nonlocal Means Filter With Sigma Preselection for Despeckling SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4563-4575.	2.7	17
16	A generalisation of the Rayleigh distribution with applications in wireless fading channels. Wireless Communications and Mobile Computing, 2013, 13, 85-94.	0.8	15
17	Automatic estimation of the aortic lumen geometry by ellipse tracking. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 345-355.	1.7	14
18	Estimation of the Lens Distortion Model by Minimizing a Line Reprojection Error. IEEE Sensors Journal, 2017, 17, 2848-2855.	2.4	11

#	ARTICLE	IF	CITATIONS
19	Classification of complex Wishart matrices with a diffusion reaction system guided by stochastic distances. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20150118.	1.6	9
20	Despeckling PolSAR Images With a Structure Tensor Filter. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 357-361.	1.4	9
21	Anisotropic Weighted KS-NLM Filter for Noise Reduction in MRI. IEEE Access, 2020, 8, 184866-184884.	2.6	9
22	Enhancing obstetric and gynecology ultrasound images by adaptation of the speckle reducing anisotropic diffusion filter. Artificial Intelligence in Medicine, 2008, 43, 223-242.	3.8	8
23	Statistical Properties of an Unassisted Image Quality Index for SAR Imagery. Remote Sensing, 2019, 11, 385.	1.8	8
24	Tracking the Aortic Lumen Geometry by Optimizing the 3D Orientation of Cross-sections. Lecture Notes in Computer Science, 2017, , 174-181.	1.0	7
25	Evolutionary Expert-Supervised Despeckled SRAD Filter Design for Enhancing SAR Images. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 814-818.	1.4	6
26	Real-time camera motion tracking in planar view scenarios. Journal of Real-Time Image Processing, 2016, 11, 287-299.	2.2	6
27	Design of an air-air negotiation protocol to reorder aircraft arrivals sequence. , 2008, , .		4
28	Segmentation of the Aorta Using Active Contours with Histogram-Based Descriptors. Lecture Notes in Computer Science, 2018, , 28-35.	1.0	3
29	Supervised Classification of Fully PolSAR Images Using Active Contour Models. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1165-1169.	1.4	3
30	The Rayleigh Birnbaum Saunders Distribution: A General Fading Model. Symmetry, 2020, 12, 389.	1.1	3
31	Performance of Speckle Filters for COSMO-SkyMed Images From the Brazilian Amazon. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	3
32	An empirical model to estimate power consumption in GaAs DCFL/SDCFL circuits. Microprocessing and Microprogramming, 1993, 37, 23-26.	0.3	2
33	Local Edginess Measures in PolSAR Imagery by Using Stochastic Distances. , 2018, , .		2
34	Automatic Camera Pose Recognition in Planar View Scenarios. Lecture Notes in Computer Science, 2012, , 406-413.	1.0	2
35	P4B-1 Characterization of a Multiscale Variational Optical Flow Method for Elastography. Proceedings IEEE Ultrasonics Symposium, 2007, , .	0.0	1
36	A new approach to elastography using a modified demons registration algorithm. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
37	Timing model for SDCFL digital circuits. <i>Microprocessing and Microprogramming</i> , 1992, 34, 193-196.	0.3	0
38	Multiobjective optimization using analytical models of GaAs high-speed digital circuits. <i>Microprocessing and Microprogramming</i> , 1993, 39, 267-270.	0.3	0
39	Timing analysis for DCFL/SDCFL VLSI circuits. <i>Microprocessing and Microprogramming</i> , 1993, 38, 511-518.	0.3	0
40	An agent oriented analysis and modeling of airborne capabilities for trajectory based operations. , 2009, , .		0
41	Classification of PolSAR imagery by solving a diffusion-reaction system. , 2015, , .		0
42	Finding structures in ratio images. , 2015, , .		0
43	A Framework for Statistical Nonlocal Means Noise Reduction in PolSAR Data. , 2021, , .		0
44	Automatic System Identification of Tissue Abnormalities Based on 2D B-Mode Ultrasound Images. <i>Lecture Notes in Computer Science</i> , 2009, , 137-142.	1.0	0
45	A variational approach to camera motion smoothing. <i>Differential Equations and Applications</i> , 2011, , 555-564.	0.1	0
46	Automatic Corner Matching in Highly Distorted Images of Zhang's Calibration Pattern. <i>Lecture Notes in Computer Science</i> , 2014, , 754-761.	1.0	0
47	Polarization Optimization for the Detection of Multiple Persistent Scatterers Using SAR Tomography. <i>Remote Sensing</i> , 2022, 14, 1960.	1.8	0