

# Felipe Lumbreras Ruiz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8563882/publications.pdf>

Version: 2024-02-01

49  
papers

951  
citations

687220

13  
h-index

501076

28  
g-index

50  
all docs

50  
docs citations

50  
times ranked

867  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of methods for ridge and valley detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 327-335.	9.7	170
2	Multispectral Image Feature Points. Sensors, 2012, 12, 12661-12672.	2.1	129
3	Combining Priors, Appearance, and Context for Road Detection. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1168-1178.	4.7	89
4	Robust lane markings detection and road geometry computation. International Journal of Automotive Technology, 2010, 11, 395-407.	0.7	87
5	Nighttime Vehicle Detection for Intelligent Headlight Control. Lecture Notes in Computer Science, 2008, , 113-124.	1.0	42
6	Multimodal Stereo Vision System: 3D Data Extraction and Algorithm Evaluation. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 437-446.	7.3	40
7	3D vehicle sensor based on monocular vision. , 0, , .		38
8	Multispectral piecewise planar stereo using Manhattan-world assumption. Pattern Recognition Letters, 2013, 34, 52-61.	2.6	36
9	Segmentation of petrographical images of marbles. Computers and Geosciences, 1996, 22, 547-558.	2.0	33
10	Detection of lane markings based on ridgeness and RANSAC. , 0, , .		25
11	myStone: A system for automatic kidney stone classification. Expert Systems With Applications, 2017, 89, 41-51.	4.4	23
12	Hybrid MSRM-Based Deep Learning and Multitemporal Sentinel 2-Based Machine Learning Algorithm Detects Near 10k Archaeological Tumuli in North-Western Iberia. Remote Sensing, 2021, 13, 4181.	1.8	22
13	Creaseness from level set extrinsic curvature. Lecture Notes in Computer Science, 1998, , 156-169.	1.0	17
14	Topological principal component analysis for face encoding and recognition. Pattern Recognition Letters, 2001, 22, 769-776.	2.6	17
15	Multiple vehicle 3D tracking using an unscented Kalman filter. , 0, , .		17
16	Quality control of safety belts by machine vision inspection for real-time production. Optical Engineering, 2003, 42, 1114.	0.5	13
17	Geographic information for vision-based road detection. , 2010, , .		13
18	Robust Lane Lines Detection and Quantitative Assessment. Lecture Notes in Computer Science, 2007, , 274-281.	1.0	13

#	ARTICLE	IF	CITATIONS
19	Divide and conquer. , 2013, , .		12
20	Multimodal template matching based on gradient and mutual information using scale-space. , 2010, , .		10
21	Cost estimation of custom hoses from STL files and CAD drawings. Computers in Industry, 2013, 64, 299-309.	5.7	8
22	A factorization-based approach to photometric stereo. International Journal of Imaging Systems and Technology, 2011, 21, 115-119.	2.7	7
23	Multi-part body segmentation based on depth maps for soft biometry analysis. Pattern Recognition Letters, 2015, 56, 14-21.	2.6	7
24	Synchronization of Video Sequences from Free-Moving Cameras. Lecture Notes in Computer Science, 2007, , 620-627.	1.0	7
25	Predicting Missing Ratings in Recommender Systems: Adapted Factorization Approach. International Journal of Electronic Commerce, 2009, 14, 89-108.	1.4	6
26	Rank Estimation in Missing Data Matrix Problems. Journal of Mathematical Imaging and Vision, 2011, 39, 140-160.	0.8	6
27	Wavelet filtering for the segmentation of marble images. Optical Engineering, 1996, 35, 2864.	0.5	5
28	An Iterative Multiresolution Scheme for SFM with Missing Data. Journal of Mathematical Imaging and Vision, 2009, 34, 240-258.	0.8	5
29	Taking advantage of hyperspectral imaging classification of urinary stones against conventional infrared spectroscopy. Journal of Biomedical Optics, 2014, 19, 126004.	1.4	5
30	Locating people in indoor scenes for real applications. , 0, , .		4
31	Alignment of videos recorded from moving vehicles. , 2007, , .		4
32	Rank estimation in 3D multibody motion segmentation. Electronics Letters, 2008, 44, 279.	0.5	4
33	An iterative multiresolution scheme for SFM with missing data: Single and multiple object scenes. Image and Vision Computing, 2010, 28, 164-176.	2.7	4
34	Segmentation of aerial images for plausible detail synthesis. Computers and Graphics, 2018, 71, 23-34.	1.4	4
35	Colour normalisation based on background information. , 0, , .		3
36	ICAR: Identity Card Automatic Reader. , 0, , .		3

#	ARTICLE	IF	CITATIONS
37	An Iterative Multiresolution Scheme for SFM. Lecture Notes in Computer Science, 2006, , 804-815.	1.0	3
38	Motion Segmentation from Feature Trajectories with Missing Data. Lecture Notes in Computer Science, 2007, , 483-490.	1.0	3
39	Photometric stereo through an adapted alternation approach. , 2008, , .		2
40	2D-to-3D Facial Expression Transfer. , 2018, , .		2
41	Evaluation of Similarity Functions in Multimodal Stereo. Lecture Notes in Computer Science, 2012, , 320-329.	1.0	2
42	Recovery of Surface Normals and Reflectance from Different Lighting Conditions. Lecture Notes in Computer Science, 2008, , 315-325.	1.0	2
43	An Adapted Alternation Approach for Recommender Systems. , 2008, , .		1
44	Dynamic comparison of headlights. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2008, 222, 643-656.	1.1	1
45	Learning to measure for preshipment garment sizing. Measurement: Journal of the International Measurement Confederation, 2018, 130, 327-339.	2.5	1
46	Understanding Road Scenes Using Visual Cues and GPS Information. Lecture Notes in Computer Science, 2012, , 635-638.	1.0	1
47	MOTION SEGMENTATION THROUGH FACTORIZATION - APPLICATION TO NIGHT DRIVING ASSISTANCE. , 2006, , .		0
48	A General-purpose Crowdsourcing Platform for Mobile Devices. , 2014, , .		0
49	Information Theoretic Rotationwise Robust Binary Descriptor Learning. Lecture Notes in Computer Science, 2016, , 368-378.	1.0	0