

Joan Serrat

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,325
citations

623574

14
h-index

414303

32
g-index

50
all docs

50
docs citations

50
times ranked

1282
citing authors

#	ARTICLE	IF	CITATIONS
1	Pedestrian Detection at Day/Night Time with Visible and FIR Cameras: A Comparison. Sensors, 2016, 16, 820.	2.1	196
2	Evaluation of methods for ridge and valley detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 327-335.	9.7	170
3	Harmony Potentials. International Journal of Computer Vision, 2012, 96, 83-102.	10.9	139
4	Harmony potentials for joint classification and segmentation. , 2010, , .		107
5	Unsupervised co-segmentation through region matching. , 2012, , .		107
6	Multilocal Creaseness Based on the Level-Set Extrinsic Curvature. Computer Vision and Image Understanding, 2000, 77, 111-144.	3.0	91
7	Robust lane markings detection and road geometry computation. International Journal of Automotive Technology, 2010, 11, 395-407.	0.7	87
8	Nighttime Vehicle Detection for Intelligent Headlight Control. Lecture Notes in Computer Science, 2008, , 113-124.	1.0	42
9	Multiple-Target Tracking for Intelligent Headlights Control. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 594-605.	4.7	36
10	Segmentation of petrographical images of marbles. Computers and Geosciences, 1996, 22, 547-558.	2.0	33
11	Video Alignment for Change Detection. IEEE Transactions on Image Processing, 2011, 20, 1858-1869.	6.0	33
12	Learning Multi-Object Tracking and Segmentation From Automatic Annotations. , 2020, , .		31
13	Joint Spatio-Temporal Alignment of Sequences. IEEE Transactions on Multimedia, 2013, 15, 1377-1387.	5.2	26
14	Traffic Sign Recognition for Computer Vision Project-Based Learning. IEEE Transactions on Education, 2013, 56, 364-371.	2.0	26
15	myStone: A system for automatic kidney stone classification. Expert Systems With Applications, 2017, 89, 41-51.	4.4	23
16	Video Co-segmentation. Lecture Notes in Computer Science, 2013, , 13-24.	1.0	22
17	On-board image-based vehicle detection and tracking. Transactions of the Institute of Measurement and Control, 2011, 33, 783-805.	1.1	16
18	Monitoring war destruction from space using machine learning. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14

#	ARTICLE	IF	CITATIONS
19	Robust Lane Lines Detection and Quantitative Assessment. Lecture Notes in Computer Science, 2007, , 274-281.	1.0	13
20	Creaseness-based computer tomography and magnetic resonance registration: Comparison with the mutual information method. Journal of Electronic Imaging, 1999, 8, 255.	0.5	12
21	Multiple target tracking for intelligent headlights control. , 2010, , .		8
22	Cost estimation of custom hoses from STL files and CAD drawings. Computers in Industry, 2013, 64, 299-309.	5.7	8
23	Hierarchical CRF with product label spaces for parts-based models. , 2011, , .		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	Weakly Supervised Multi-Object Tracking and Segmentation. , 2021, , .		6
28	Wavelet filtering for the segmentation of marble images. Optical Engineering, 1996, 35, 2864.	0.5	5
29	An Iterative Multiresolution Scheme for SFM with Missing Data. Journal of Mathematical Imaging and Vision, 2009, 34, 240-258.	0.8	5
30	Taking advantage of hyperspectral imaging classification of urinary stones against conventional infrared spectroscopy. Journal of Biomedical Optics, 2014, 19, 126004.	1.4	5
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	An Iterative Multiresolution Scheme for SFM. Lecture Notes in Computer Science, 2006, , 804-815.	1.0	3
35	Motion Segmentation from Feature Trajectories with Missing Data. Lecture Notes in Computer Science, 2007, , 483-490.	1.0	3
36	Using mathematical morphology to determine left ventricular contours. Physics in Medicine and Biology, 1993, 38, 1877-1894.	1.6	2

#	ARTICLE	IF	CITATIONS
37	Creaseness measures for CT and MR image registration. , 0, , .		2
38	Photometric stereo through an adapted alternation approach. , 2008, , .		2
39	Recovery of Surface Normals and Reflectance from Different Lighting Conditions. Lecture Notes in Computer Science, 2008, , 315-325.	1.0	2
40	Hierarchical Novelty Detection for Traffic Sign Recognition. Sensors, 2022, 22, 4389.	2.1	2
41	<title>Analysis of x-ray hand images for bone age assessment</title>. , 1990, 1360, 716.		1
42	An Adapted Alternation Approach for Recommender Systems. , 2008, , .		1
43	Dynamic comparison of headlights. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2008, 222, 643-656.	1.1	1
44	Learning to measure for preshipment garment sizing. Measurement: Journal of the International Measurement Confederation, 2018, 130, 327-339.	2.5	1
45	Rank-based ordinal classification. , 2021, , .		1
46	Automatic ground-truthing using video registration for on-board detection algorithms. , 2009, , .		0
47	Vehicle geolocalization based on video synchronization. , 2010, , .		0
48	Slice matching for accurate spatio-temporal alignment. , 2011, , .		0
49	Ultrasound to Magnetic Resonance Volume Registration for Brain Sinking Measurement. Lecture Notes in Computer Science, 2003, , 420-427.	1.0	0