

J P Costeira

List of Publications by Year in descending order

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74
papers

1,873
citations

759055

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docs citations

75
times ranked

1661
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast Pose Graph Optimization via Krylov-Schur and Cholesky Factorization. , 2021, , .		6
2	Explainable Noisy Label Flipping for Multi-Label Fashion Image Classification. , 2021, , .		2
3	iFetch. , 2021, , .		2
4	Rotation Averaging in a Split Second: A Primal-Dual Method and a Closed-Form for Cycle Graphs. , 2021, , .		4
5	MuCAI'20. , 2020, , .		1
6	Vision Augmented Robot Feeding. Lecture Notes in Computer Science, 2019, , 50-65.	1.0	9
7	Pose Guided Attention for Multi-Label Fashion Image Classification. , 2019, , .		7
8	Video Analysis Based on Human Pose for Unsupervised Summarization and Retrieval. , 2019, , .		2
9	Recovery of Subspace Structure from High-Rank Data with Missing Entries. , 2019, , .		1
10	Discriminative Optimization: Theory and Applications to Computer Vision. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 829-843.	9.7	14
11	Understanding People Flow in Transportation Hubs. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3282-3291.	4.7	3
12	Inverse Composition Discriminative Optimization for Point Cloud Registration. , 2018, , .		15
13	Learning to Understand Image Blur. , 2018, , .		27
14	FLORIS and CLORIS: Hybrid source and network localization based on ranges and video. Signal Processing, 2018, 153, 355-367.	2.1	8
15	Feedbot - A Robotic Arm for Autonomous Assisted Feeding. Lecture Notes in Computer Science, 2017, , 486-497.	1.0	1
16	LocDyn: Robust Distributed Localization for Mobile Underwater Networks. IEEE Journal of Oceanic Engineering, 2017, 42, 1063-1074.	2.1	13
17	Understanding Traffic Density from Large-Scale Web Camera Data. , 2017, , .		70
18	FCN-rLSTM: Deep Spatio-Temporal Neural Networks for Vehicle Counting in City Cameras. , 2017, , .		149

#	ARTICLE	IF	CITATIONS
19	Discriminative Optimization: Theory and Applications to Point Cloud Registration. , 2017, , .		25
20	Combining 3D Shape and Color for 3D Object Recognition. Lecture Notes in Computer Science, 2016, , 481-489.	1.0	0
21	Motion from Structure (MfS): Searching for 3D Objects in Cluttered Point Trajectories. , 2016, , .		0
22	Recommendations for aetiological diagnosis of bronchiectasis. Revista Portuguesa De Pneumologia, 2016, 22, 222-235.	0.7	13
23	Collaborative localization of vehicle formations based on ranges and bearings. , 2016, , .		9
24	SMARTcycling: Assessing cyclists' driving experience. , 2016, , .		8
25	A unified approach for hybrid source localization based on ranges and video. , 2015, , .		11
26	Global localization by soft object recognition from 3D Partial Views. , 2015, , .		3
27	Matrix Completion for Weakly-Supervised Multi-Label Image Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 121-135.	9.7	144
28	Personalized Assistance for Dressing Users. Lecture Notes in Computer Science, 2015, , 359-369.	1.0	35
29	Multiple Hypothesis for Object Class Disambiguation from Multiple Observations. , 2014, , .		2
30	Optimal no-intersection multi-label binary localization for time series using totally unimodular linear programming. , 2014, , .		0
31	The Partial View Heat Kernel descriptor for 3D object representation. , 2014, , .		6
32	VOLUMNECT: measuring volumes with Kinect. Proceedings of SPIE, 2014, , .	0.8	4
33	Automatic Vehicle Trajectory Extraction by Aerial Remote Sensing. Procedia, Social and Behavioral Sciences, 2014, 111, 849-858.	0.5	41
34	Probabilistic Object Identification through On-demand Partial Views. , 2014, , .		0
35	Effortless Scanning of 3D Object Models by Boundary Aligning and Stitching. , 2014, , .		0
36	Newton Algorithms for Riemannian Distance Related Problems on Connected Locally Symmetric Manifolds. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 634-645.	7.3	18

#	ARTICLE	IF	CITATIONS
37	Guided search consensus: Large scale point cloud registration by convex optimization. , 2013, , .		1
38	Unifying Nuclear Norm and Bilinear Factorization Approaches for Low-Rank Matrix Decomposition. , 2013, , .		114
39	Impacto da diabetes na forma de apresenta�o da tuberculose em doentes hospitalizados. Revista Portuguesa De Pneumologia, 2012, 18, 239-243.	0.7	10
40	Artistic Image Classification: An Analysis on the PRINTART Database. Lecture Notes in Computer Science, 2012, , 143-157.	1.0	50
41	Fast Object Detection by Regression in Robot Soccer. Lecture Notes in Computer Science, 2012, , 550-561.	1.0	2
42	The automatic annotation and retrieval of digital images of prints and tile panels using network link analysis algorithms. Proceedings of SPIE, 2011, , .	0.8	1
43	Explaining scene composition using kinematic chains of humans: application to Portuguese tiles history. , 2011, , .		1
44	Convex solution of a permutation problem. Linear Algebra and Its Applications, 2011, 434, 361-369.	0.4	5
45	Time and order estimation of paintings based on visual features and expert priors. , 2011, , .		4
46	Fast incremental method for matrix completion: An application to trajectory correction. , 2011, , .		5
47	Reconstruction of isometrically deformable flat surfaces in 3D from multiple camera images. , 2009, , .		3
48	Subspace matching: Unique solution to point matching with geometric constraints. , 2009, , .		21
49	The Normalized Subspace Inclusion: Robust clustering of motion subspaces. , 2009, , .		5
50	Lamp: Linear approach for matching points. , 2009, , .		4
51	Estimating 3D shape from degenerate sequences with missing data. Computer Vision and Image Understanding, 2009, 113, 261-272.	3.0	55
52	Shape From Motion of Nonrigid Objects: The Case of Isometrically Deformable Flat Surfaces. , 2009, , .		5
53	Subspace segmentation with outliers: A grassmannian approach to the maximum consensus subspace. , 2008, , .		11
54	Optimal shape from motion estimation with missing and degenerate data. , 2008, , .		21

#	ARTICLE	IF	CITATIONS
55	3D face recognition from multiple images: A shape-from-motion approach. , 2008, , .		3
56	Multi-view correspondence by enforcement of rigidity constraints. Image and Vision Computing, 2007, 25, 1008-1020.	2.7	4
57	Optimal Multi-frame Correspondence with Assignment Tensors. Lecture Notes in Computer Science, 2006, , 490-501.	1.0	5
58	Stereo Reconstruction of a Submerged Scene. Lecture Notes in Computer Science, 2005, , 102-109.	1.0	34
59	Robust Global Mosaic Topology Estimation for Real-Time Applications. Lecture Notes in Computer Science, 2005, , 1250-1257.	1.0	0
60	Linear global mosaics for underwater surveying. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 78-83.	0.4	18
61	A global solution to sparse correspondence problems. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 187-199.	9.7	153
62	Robust point correspondence by concave minimization. Image and Vision Computing, 2002, 20, 683-690.	2.7	16
63	Maximizing Rigidity: Optimal Matching under Scaled-Orthography. Lecture Notes in Computer Science, 2002, , 232-246.	1.0	0
64	Holistic synthesis of human face images. , 1999, , .		1
65	A Multibody Factorization Method for Independently Moving Objects. International Journal of Computer Vision, 1998, 29, 159-179.	10.9	513
66	A computer vision system for the characterization and classification of flames in glass furnaces. IEEE Transactions on Industry Applications, 1993, 29, 470-478.	3.3	10
67	A computer vision system for the characterization and classification of flames in glass furnaces. , 0, , .		2
68	A multi-body factorization method for motion analysis. , 0, , .		95
69	A 3D image mosaicing system using the factorization method. , 0, , .		2
70	Active face and feature tracking. , 0, , .		25
71	Representing 3D shape from video. , 0, , .		0
72	Contour Point Tracking by Enforcement of Rigidity Constraints. , 0, , .		1

#	ARTICLE	IF	CITATIONS
73	Optimal Point Correspondence through the Use of Rank Constraints. , 0, , .		8
74	Newton Method for Riemannian Centroid Computation in Naturally Reductive Homogeneous Spaces. , 0, , .		12