

Tom Drummond

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

7,232
citations

687220

13
h-index

752573

20
g-index

62
all docs

62
docs citations

62
times ranked

4811
citing authors

#	ARTICLE	IF	CITATIONS
1	Events and Machine Learning. Topics in Cognitive Science, 2021, 13, 243-247.	1.1	1
2	Fast Depth Video Compression for Mobile RGB-D Sensors. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 673-686.	5.6	11
3	Monocular image space tracking on a computationally limited MAV. , 2015, , .		3
4	Image based optimisation without global consistency for constant time monocular visual SLAM. , 2015, , .		7
5	Self-calibration in visual sensor networks equipped with RGB-D cameras. , 2015, , .		1
6	Reduced dimensionality extended Kalman Filter for SLAM in a relative formulation. , 2015, , .		4
7	Vision-based robot-assisted biological cell micromanipulation. , 2014, , .		7
8	Real-time load disaggregation algorithm using particle-based distribution truncation with state occupancy model. Electronics Letters, 2014, 50, 697-699.	0.5	22
9	Algorithmic methodologies for FPGA-based vision. Machine Vision and Applications, 2013, 24, 1197-1211.	1.7	13
10	A real-time distributed relative pose estimation algorithm for RGB-D camera equipped visual sensor networks. , 2013, , .		3
11	A fast multiple appliance detection algorithm for non-intrusive load monitoring. , 2013, , .		4
12	Recent approaches to non-intrusive load monitoring techniques in residential settings. , 2013, , .		64
13	Multiview image compression and transmission techniques in Wireless Multimedia Sensor Networks: A survey. , 2013, , .		2
14	A Unified Rolling Shutter and Motion Blur Model for 3D Visual Registration. , 2013, , .		25
15	PhD forum: Efficient communication scheme for mobile visual sensor networks equipped with RGB-D cameras. , 2013, , .		0
16	Robust egomotion estimation using ICP in inverse depth coordinates. , 2012, , .		12
17	Rapidly constructed appearance models for tracking in augmented reality applications. Machine Vision and Applications, 2012, 23, 843-856.	1.7	7
18	Transformative Reality: Improving bionic vision with robotic sensing. , 2012, 2012, 304-7.		16

#	ARTICLE	IF	CITATIONS
19	Distributed visual processing for augmented reality. , 2012, , .		7
20	Corner Matching Refinement for Monocular Pose Estimation. , 2012, , .		0
21	Transformative reality: Augmented reality for visual prostheses. , 2011, , .		8
22	Rapid scene reconstruction on mobile phones from panoramic images. , 2011, , .		22
23	Binary Histogrammed Intensity Patches for Efficient and Robust Matching. International Journal of Computer Vision, 2011, 94, 241-265.	10.9	16
24	Faster and Better: A Machine Learning Approach to Corner Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 105-119.	9.7	1,424
25	Deterministic Sample Consensus with Multiple Match Hypotheses. , 2010, , .		9
26	Interactive model reconstruction with user guidance. , 2009, , .		15
27	Edge landmarks in monocular SLAM. Image and Vision Computing, 2009, 27, 588-596.	2.7	98
28	Classification-Based Probabilistic Modeling of Texture Transition for Fast Line Search Tracking and Delineation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 570-576.	9.7	5
29	Guest Editors' Introduction: Special Section on The International Symposium on Mixed and Augmented Reality (ISMAR). IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 177-178.	2.9	0
30	Robust feature matching in 2.3µs. , 2009, , .		3
31	ProFORMA: Probabilistic Feature-based On-line Rapid Model Acquisition. , 2009, , .		85
32	Multiple Target Localisation at over 100 FPS. , 2009, , .		32
33	Reconstruction from Uncalibrated Affine Silhouettes. , 2009, , .		2
34	Multi-modal tracking using texture changes. Image and Vision Computing, 2008, 26, 442-450.	2.7	9
35	Pose tracking from natural features on mobile phones. , 2008, , .		298
36	Unified Loop Closing and Recovery for Real Time Monocular SLAM. , 2008, , .		110

#	ARTICLE	IF	CITATIONS
37	Monocular SLAM as a Graph of Coalesced Observations. , 2007, , .		84
38	Semi-automatic Annotations in Unknown Environments. , 2007, , .		37
39	Initialisation for Visual Tracking in Urban Environments. , 2007, , .		42
40	Semi-Autonomous Generation of Appearance-based Edge Models from Image Sequences. , 2007, , .		15
41	Going out: robust model-based tracking for outdoor augmented reality. , 2006, , .		247
42	Efficient Parametric Non-Gaussian Dynamical Filtering. , 2006, , .		0
43	Machine Learning for High-Speed Corner Detection. Lecture Notes in Computer Science, 2006, , 430-443.	1.0	2,310
44	Differentiating Between Many Similar Features using Relational Information in Space and Scale. , 2006, , .		0
45	Using backlight intensity for device identification. , 2006, , .		1
46	Fast texture-based tracking and delineation using texture entropy. , 2005, , .		7
47	Real-Time Video Annotations for Augmented Reality. Lecture Notes in Computer Science, 2005, , 294-302.	1.0	46
48	Dynamic measurement clustering to aid real time tracking. , 2005, , .		9
49	Localisation and interaction for augmented maps. , 2005, , .		53
50	Fusing points and lines for high performance tracking. , 2005, , .		730
51	A single-frame visual gyroscope. , 2005, , .		30
52	Tightly integrated sensor fusion for robust visual tracking. Image and Vision Computing, 2004, 22, 769-776.	2.7	47
53	Layered motion segmentation and depth ordering by tracking edges. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 479-494.	9.7	82
54	Real-time tracking of complex structures with on-line camera calibration. Image and Vision Computing, 2002, 20, 427-433.	2.7	43

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55	Real-time visual tracking of complex structures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 932-946.	9.7	471
56	Learning Task-Specific Object Recognition and Scene Understanding. Computer Vision and Image Understanding, 2000, 80, 315-348.	3.0	6
57	Application of Lie Algebras to Visual Servoing. International Journal of Computer Vision, 2000, 37, 21-41.	10.9	56
58	Robust visual tracking for non-instrumental augmented reality. , 0, , .		24
59	Sensor Fusion and Occlusion Refinement for Tablet-Based AR. , 0, , .		41
60	Scalable Monocular SLAM. , 0, , .		241