

Anthony R Dick

List of Publications by Year in descending order

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68
papers

3,156
citations

687363

13
h-index

752698

20
g-index

68
all docs

68
docs citations

68
times ranked

2720
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of appearance models in visual object tracking. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-48.	4.5	505
2	What Value Do Explicit High Level Concepts Have in Vision to Language Problems?. , 2016, , .		286
3	Image Captioning and Visual Question Answering Based on Attributes and External Knowledge. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1367-1381.	13.9	256
4	FVQA: Fact-Based Visual Question Answering. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2413-2427.	13.9	227
5	Joint Probabilistic Data Association Revisited. , 2015, , .		208
6	Visual question answering: A survey of methods and datasets. Computer Vision and Image Understanding, 2017, 163, 21-40.	4.7	199
7	Ask Me Anything: Free-Form Visual Question Answering Based on Knowledge from External Sources. , 2016, , .		190
8	Contextual Hypergraph Modeling for Salient Object Detection. , 2013, , .		148
9	VideoTrace. ACM Transactions on Graphics, 2007, 26, 86.	7.2	89
10	Thrift: Local 3D Structure Recognition. , 2007, , .		82
11	Incremental Learning of 3D-DCT Compact Representations for Robust Visual Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 863-881.	13.9	82
12	Visual Tracking With Spatio-Temporal Dempster-Shafer Information Fusion. IEEE Transactions on Image Processing, 2013, 22, 3028-3040.	9.8	78
13	Learning Compact Binary Codes for Visual Tracking. , 2013, , .		64
14	Visual Question Answering with Memory-Augmented Networks. , 2018, , .		62
15	VideoTrace. , 2007, , .		58
16	Context-Aware Hypergraph Construction for Robust Spectral Clustering. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2588-2597.	5.7	47
17	Ranking consistency for image matching and object retrieval. Pattern Recognition, 2014, 47, 1349-1360.	8.1	41
18	A Stochastic Approach to Tracking Objects Across Multiple Cameras. Lecture Notes in Computer Science, 2004, , 160-170.	1.3	36

#	ARTICLE	IF	CITATIONS
19	Graph mode-based contextual kernels for robust SVM tracking. , 2011, , .		31
20	Infinite Variational Autoencoder for Semi-Supervised Learning. , 2017, , .		29
21	Middleware for Distributed Video Surveillance. IEEE Distributed Systems Online, 2008, 9, 1-1.	0.5	28
22	In situ image-based modeling. , 2009, , .		27
23	Measuring Latency for Video Surveillance Systems. , 2009, , .		26
24	Topology Estimation for Thousand-Camera Surveillance Networks. , 2007, , .		25
25	Activity Topology Estimation for Large Networks of Cameras. , 2006, , .		22
26	Real Time Target Tracking with Pan Tilt Zoom Camera. , 2009, , .		21
27	Interactive modelling for AR applications. , 2010, , .		21
28	A fast, modular scene understanding system using context-aware object detection. , 2015, , .		20
29	Online Metric-Weighted Linear Representations for Robust Visual Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 931-950.	13.9	20
30	Non-sparse linear representations for visual tracking with online reservoir metric learning. , 2012, , .		19
31	Joint Probabilistic Matching Using m-Best Solutions. , 2016, , .		17
32	DeepSetNet: Predicting Sets with Deep Neural Networks. , 2017, , .		16
33	Middleware for video surveillance networks. , 2006, , .		15
34	Automatic camera placement for large scale surveillance networks. , 2009, , .		15
35	Finding Camera Overlap in Large Surveillance Networks. Lecture Notes in Computer Science, 2007, , 375-384.	1.3	13
36	Scalable Surveillance Software Architecture. , 2006, , .		11

#	ARTICLE	IF	CITATIONS
37	Tracking hand-off in large surveillance networks. , 2009, , .		10
38	Part-based modelling of compound scenes from images. , 2015, , .		10
39	Estimating camera overlap in large and growing networks. , 2008, , .		9
40	Adaptive earth movers distance-based Bayesian multi-target tracking. IET Computer Vision, 2013, 7, 246-257.	2.0	9
41	Empirical evaluation of the exclusion approach to estimating camera overlap. , 2008, , .		8
42	Boosting Object Retrieval With Group Queries. IEEE Signal Processing Letters, 2012, 19, 765-768.	3.6	8
43	Enhanced Appearance Models for Object Tracking. , 2007, , .		6
44	Locally Oriented Optical Flow Computation. IEEE Transactions on Image Processing, 2012, 21, 1573-1586.	9.8	5
45	A Study of the Region Covariance Descriptor: Impact of Feature Selection and Image Transformations. , 2015, , .		5
46	Spatially aware feature selection and weighting for object retrieval. Image and Vision Computing, 2013, 31, 935-948.	4.5	4
47	Linking local and global optical flow computation by subspace regularization. Optical Engineering, 2013, 52, 037205.	1.0	4
48	Compass Rose: A Rotational Robust Signature for Optical Flow Computation. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 63-73.	8.3	4
49	AFL Player Detection and Tracking. , 2015, , .		4
50	TenniSet: A Dataset for Dense Fine-Grained Event Recognition, Localisation and Description. , 2017, , .		4
51	Improving Global Multi-target Tracking with Local Updates. Lecture Notes in Computer Science, 2015, , 174-190.	1.3	4
52	Adaptive Multiple Object Tracking Using Colour and Segmentation Cues. , 2007, , 853-863.		4
53	Discontinuity-Preserving Optical Flow Computation by a Dynamic Overdetermined System. , 2007, , .		3
54	Multiple target tracking with an efficient compact colour correlogram. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
55	Integrated Bayesian multi-cue tracker for objects observed from moving cameras. , 2008, , .		3
56	A framework for determining overlap in large scale networks. , 2009, , .		2
57	A new inconsistency measure for linear systems and two applications in motion analysis. , 2009, , .		2
58	Surprisal-aware scheduling of PTZ cameras. , 2009, , .		2
59	Image Retrieval with a Visual Thesaurus. , 2010, , .		2
60	Multi-Camera Tracking of Intelligent Targets with Hidden Reciprocal Chains. , 2015, , .		2
61	Large-Scale Camera Topology Mapping: Application to Re-identification. , 2014, , 391-411.		2
62	Contradiction and Correlation for Camera Overlap Estimation. , 2009, , .		1
63	Visual Distance Measures for Object Retrieval. , 2012, , .		1
64	Camera Network Topology Estimation by Lighting Variation. , 2015, , .		1
65	Image based modelling with VideoTrace. Computer Graphics, 2008, 42, 1-8.	0.1	0
66	Distributed Camera Overlap Estimation “ Enabling Large Scale Surveillance. Studies in Computational Intelligence, 2011, , 147-182.	0.9	0
67	Context Based Re-ranking for Object Retrieval. Lecture Notes in Computer Science, 2015, , 196-210.	1.3	0
68	Large-Scale Camera Network Topology Estimation by Lighting Variation. Lecture Notes in Computer Science, 2017, , 455-467.	1.3	0