Pascal V Fua

List of Publications by Year
in descending order

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246	29,976	36203	9553
papers	citations	51 h-index	142 g-index

251	251	251	18912
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GarNet++: Improving Fast and Accurate Static 3D Cloth Draping by Curvature Loss. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 181-195.	9.7	19
2	3D reconstruction of curvilinear structures with stereo matching deep convolutional neural networks. Ultramicroscopy, 2022, 234, 113460.	0.8	5
3	Eigendecomposition-Free Training of Deep Networks for Linear Least-Square Problems. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3167-3182.	9.7	8
4	Image Matching Across Wide Baselines: From Paper to Practice. International Journal of Computer Vision, 2021, 129, 517-547.	10.9	172
5	Matching Seqlets: An Unsupervised Approach for Locality Preserving Sequence Matching. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 745-752.	9.7	7
6	Motion Prediction Using Temporal Inception Module. Lecture Notes in Computer Science, 2021, , 651-665.	1.0	7
7	Drainage Canals in Southeast Asian Peatlands Increase Carbon Emissions. AGU Advances, 2021, 2, e2020AV000321.	2.3	17
8	LiftPose3D, a deep learning-based approach for transforming two-dimensional to three-dimensional poses in laboratory animals. Nature Methods, 2021, 18, 975-981.	9.0	42
9	Deep Active Surface Models. , 2021, , .		7
10	Masksembles for Uncertainty Estimation. , 2021, , .		26
11	Wide-Depth-Range 6D Object Pose Estimation in Space. , 2021, , .		34
12	Human Detection and Segmentation via Multi-view Consensus. , 2021, , .		2
13	Joint Segmentation and Path Classification of Curvilinear Structures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 1515-1521.	9.7	23
14	Tracing in 2D to reduce the annotation effort for 3D deep delineation of linear structures. Medical Image Analysis, 2020, 60, 101590.	7.0	11
15	Visual Correspondences for Unsupervised Domain Adaptation on Electron Microscopy Images. IEEE Transactions on Medical Imaging, 2020, 39, 1256-1267.	5.4	14
16	ActiveMoCap: Optimized Viewpoint Selection for Active Human Motion Capture. , 2020, , .		13
17	Shape Reconstruction by Learning Differentiable Surface Representations. , 2020, , .		17
18	Real-time camera pose estimation for sports fields. Machine Vision and Applications, 2020, 31, 1.	1.7	25

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19	Estimating People Flows to Better Count Them in Crowded Scenes. Lecture Notes in Computer Science, 2020, , 723-740.	1.0	21
20	Voxel2Mesh: 3D Mesh Model Generation from Volumetric Data. Lecture Notes in Computer Science, 2020, , 299-308.	1.0	38
21	XNect. ACM Transactions on Graphics, 2020, 39, .	4.9	186
22	TopoAL: An Adversarial Learning Approach for Topology-Aware Road Segmentation. Lecture Notes in Computer Science, 2020, , 224-240.	1.0	6
23	Towards Reliable Evaluation of Algorithms for Road Network Reconstruction from Aerial Images. Lecture Notes in Computer Science, 2020, , 703-719.	1.0	3
24	A Performance Evaluation of Local Features for Image-Based 3D Reconstruction. IEEE Transactions on Image Processing, 2019, 28, 4774-4789.	6.0	57
25	Are Existing Monocular Computer Vision-Based 3D Motion Capture Approaches Ready for Deployment? A Methodological Study on the Example of Alpine Skiing. Sensors, 2019, 19, 4323.	2.1	13
26	Geometry in active learning for binary and multi-class image segmentation. Computer Vision and Image Understanding, 2019, 182, 1-16.	3.0	17
27	Beyond Cartesian Representations for Local Descriptors. , 2019, , .		44
28	What Face and Body Shapes Can Tell Us About Height. , 2019, , .		14
29	GarNet: A Two-Stream Network for Fast and Accurate 3D Cloth Draping. , 2019, , .		85
30	Segmentation-Driven 6D Object Pose Estimation. , 2019, , .		183
31	Neural Scene Decomposition for Multi-Person Motion Capture. , 2019, , .		29
32	Geometric and Physical Constraints for Drone-Based Head Plane Crowd Density Estimation. , 2019, , .		30
33	Eliminating Exposure Bias and Metric Mismatch in Multiple Object Tracking. , 2019, , .		47
34	Beyond Sharing Weights for Deep Domain Adaptation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 801-814.	9.7	270
35	DeepFly3D, a deep learning-based approach for 3D limb and appendage tracking in tethered, adult Drosophila. ELife, 2019, 8, .	2.8	118
36	Learning Latent Representations of 3D Human Pose with Deep Neural Networks. International Journal of Computer Vision, 2018, 126, 1326-1341.	10.9	53

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37	Reconstructing Evolving Tree Structures in Time Lapse Sequences by Enforcing Time-Consistency. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 755-761.	9.7	6
38	Robust 3D Object Tracking from Monocular Images Using Stable Parts. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1465-1479.	9.7	54
39	WILDTRACK: A Multi-camera HD Dataset for Dense Unscripted Pedestrian Detection. , 2018, , .		86
40	Learning to Find Good Correspondences. , 2018, , .		282
41	Beyond the Pixel-Wise Loss for Topology-Aware Delineation. , 2018, , .		128
42	Residual Parameter Transfer for Deep Domain Adaptation. , 2018, , .		32
43	Learning Monocular 3D Human Pose Estimation from Multi-view Images. , 2018, , .		155
44	Every Smile is Unique: Landmark-Guided Diverse Smile Generation. , 2018, , .		34
45	Learning to Reconstruct Texture-Less Deformable Surfaces from a Single View. , 2018, , .		16
46	Eigendecomposition-Free Training of Deep Networks with Zero Eigenvalue-Based Losses. Lecture Notes in Computer Science, 2018, , 792-807.	1.0	22
47	Learning to Segment 3D Linear Structures Using Only 2D Annotations. Lecture Notes in Computer Science, 2018, , 283-291.	1.0	4
48	Stereo-vision three-dimensional reconstruction of curvilinear structures imaged with a TEM. Ultramicroscopy, 2018, 184, 116-124.	0.8	15
49	A domain-adaptive two-stream U-Net for electron microscopy image segmentation. , 2018, , .		29
50	The effects of aging on neuropil structure in mouse somatosensory cortexâ€”A 3D electron microscopy analysis of layer 1. PLoS ONE, 2018, 13, e0198131.	1.1	59
51	Unsupervised Geometry-Aware Representation for 3D Human Pose Estimation. Lecture Notes in Computer Science, 2018, , 765-782.	1.0	106
52	Network Flow Integer Programming to Track Elliptical Cells in Time-Lapse Sequences. IEEE Transactions on Medical Imaging, 2017, 36, 942-951.	5.4	51
53	Computer Vision Techniques Applied to the Reconstruction of the 3-D Structure Dislocations. Microscopy and Microanalysis, 2017, 23, 102-103.	0.2	0
54	Tilt-less 3-D electron imaging and reconstruction of complex curvilinear structures. Scientific Reports, 2017, 7, 10630.	1.6	19

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55	Flight Dynamics-Based Recovery of a UAV Trajectory Using Ground Cameras. , 2017, , .		20
56	Non-Markovian Globally Consistent Multi-object Tracking. , 2017, , .		59
57	Learning to Fuse 2D and 3D Image Cues for Monocular Body Pose Estimation. , 2017, , .		152
58	Multi-modal Mean-Fields via Cardinality-Based Clamping. , 2017, , .		2
59	Monocular 3D Human Pose Estimation in the Wild Using Improved CNN Supervision. , 2017, , .		543
60	Active Learning and Proofreading for Delineation of Curvilinear Structures. Lecture Notes in Computer Science, 2017, , 165-173.	1.0	5
61	Simultaneous Recognition and Pose Estimation of Instruments in Minimally Invasive Surgery. Lecture Notes in Computer Science, 2017, , 505-513.	1.0	49
62	What Players do with the Ball: A Physically Constrained Interaction Modeling. , 2016, , .		56
63	Analyzing Volleyball Match Data from the 2014 World Championships Using Machine Learning Techniques. , 2016, , .		13
64	Do We Need Binary Features for 3D Reconstruction?. , 2016, , .		5
65	Learning to Assign Orientations to Feature Points. , 2016, , .		66
66	Vision-based Unmanned Aerial Vehicle detection and tracking for sense and avoid systems. , 2016, , .		38
67	Learning to Match Aerial Images with Deep Attentive Architectures. , 2016, , .		60
68	Measuring the accuracy of softball impact simulations. Sports Engineering, 2016, 19, 265-272.	0.5	3
69	Simultaneous segmentation and anatomical labeling of the cerebral vasculature. Medical Image Analysis, 2016, 32, 201-215.	7.0	46
70	Parsing human skeletons in an operating room. Machine Vision and Applications, 2016, 27, 1035-1046.	1.7	29
71	LIFT: Learned Invariant Feature Transform. Lecture Notes in Computer Science, 2016, , 467-483.	1.0	536
72	Principled Parallel Mean-Field Inference for Discrete Random Fields. , 2016, , .		12

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73	Multiscale Centerline Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1327-1341.	9.7	88
74	Computer vision profiling of neurite outgrowth dynamics reveals spatiotemporal modularity of Rho GTPase signaling. Journal of Cell Biology, 2016, 212, 91-111.	2.3	17
75	Reconstructing Curvilinear Networks Using Path Classifiers and Integer Programming. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 2515-2530.	9.7	41
76	Template-Based Monocular 3D Shape Recovery Using Laplacian Meshes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 172-187.	9.7	42
77	Tracking Interacting Objects Using Intertwined Flows. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 2312-2326.	9.7	107
78	Scalable Unsupervised Domain Adaptation for Electron Microscopy. Lecture Notes in Computer Science, 2016, , 326-334.	1.0	16
79	Computer vision profiling of neurite outgrowth dynamics reveals spatiotemporal modularity of Rho GTPase signaling. Journal of Experimental Medicine, 2016, 213, 2131OIA128.	4.2	0
80	Worldwide Pose Estimation Using 3D Point Clouds. Advances in Computer Vision and Pattern Recognition, 2016, , 147-163.	0.9	12
81	Introducing Geometry in Active Learning for Image Segmentation. , 2015, , .		33
82	Modeling brain circuitry over a wide range of scales. Frontiers in Neuroanatomy, 2015, 9, 42.	0.9	5
83	Learning Structured Models for Segmentation of 2-D and 3-D Imagery. IEEE Transactions on Medical Imaging, 2015, 34, 1096-1110.	5.4	27
84	Projection onto the Manifold of Elongated Structures for Accurate Extraction. , 2015, , .		21
85	Dense Image Registration and Deformable Surface Reconstruction in Presence of Occlusions and Minimal Texture. , 2015, , .		24
86	A Novel Representation of Parts for Accurate 3D Object Detection and Tracking in Monocular Images. , 2015, , .		44
87	TILDE: A Temporally Invariant Learned DEtector. , 2015, , .		204
88	Discriminative Learning of Deep Convolutional Feature Point Descriptors. , 2015, , .		486
89	Hot or Not: Exploring Correlations between Appearance and Temperature. , 2015, , .		12
90	Probability occupancy maps for occluded depth images. , 2015, , .		28

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91	Flying objects detection from a single moving camera. , 2015, , .		84
92	Non-Rigid Graph Registration Using Active Testing Search. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 625-638.	9.7	36
93	On rendering synthetic images for training an object detector. Computer Vision and Image Understanding, 2015, 137, 24-37.	3.0	83
94	NeuroMorph: A Toolset for the Morphometric Analysis and Visualization of 3D Models Derived from Electron Microscopy Image Stacks. Neuroinformatics, 2015, 13, 83-92.	1.5	64
95	Domain Adaptation for Microscopy Imaging. IEEE Transactions on Medical Imaging, 2015, 34, 1125-1139.	5.4	17
96	Live Texturing of Augmented Reality Characters from Colored Drawings. IEEE Transactions on Visualization and Computer Graphics, 2015, 21, 1201-1210.	2.9	42
97	Learning Separable Filters. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 94-106.	9.7	60
98	Multiple Human Pose Estimation with Temporally Consistent 3D Pictorial Structures. Lecture Notes in Computer Science, 2015, , 742-754.	1.0	18
99	Refining Mitochondria Segmentation in Electron Microscopy Imagery with Active Surfaces. Lecture Notes in Computer Science, 2015, , 367-379.	1.0	6
100	Reconstructing Evolving Tree Structures in Time Lapse Sequences. , 2014, , .		7
101	Caenorhabditis Elegans Segmentation Using Texture-Based Models for Motility Phenotyping. IEEE Transactions on Biomedical Engineering, 2014, 61, 2278-2289.	2.5	6
102	Re-identification for Improved People Tracking. , 2014, , 309-330.		10
103	On the relevance of sparsity for image classification. Computer Vision and Image Understanding, 2014, 125, 115-127.	3.0	14
104	Take your eyes off the ball: Improving ball-tracking by focusing on team play. Computer Vision and Image Understanding, 2014, 119, 102-115.	3.0	37
105	Real-time landing place assessment in man-made environments. Machine Vision and Applications, 2014, 25, 211-227.	1.7	12
106	Receptive Fields Selection for Binary Feature Description. IEEE Transactions on Image Processing, 2014, 23, 2583-2595.	6.0	69
107	Multi-Commodity Network Flow for Tracking Multiple People. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1614-1627.	9.7	115
108	Multiscale Centerline Detection by Learning a Scale-Space Distance Transform. , 2014, , .		76

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109	Correlative In Vivo 2-Photon Imaging and Focused Ion Beam Scanning Electron Microscopy. Methods in Cell Biology, 2014, 124, 339-361.	0.5	23
110	[DEMO] Tracking texture-less, shiny objects with descriptor fields. , 2014, , .		0
111	Dendritic tree extraction from noisy maximum intensity projection images in C. elegans. BioMedical Engineering OnLine, 2014, 13, 74.	1.3	9
112	Simultaneous Segmentation and Anatomical Labeling of the Cerebral Vasculature. Lecture Notes in Computer Science, 2014, 17, 307-314.	1.0	7
113	Exploiting Enclosing Membranes and Contextual Cues for Mitochondria Segmentation. Lecture Notes in Computer Science, 2014, 17, 65-72.	1.0	13
114	Fast Part-Based Classification for Instrument Detection in Minimally Invasive Surgery. Lecture Notes in Computer Science, 2014, 17, 692-699.	1.0	36
115	Tracking Interacting Objects Optimally Using Integer Programming. Lecture Notes in Computer Science, 2014, , 17-32.	1.0	52
116	Free-Shape Polygonal Object Localization. Lecture Notes in Computer Science, 2014, , 317-332.	1.0	19
117	Markerless 3D Human Motion Capture from Images. , 2014, , 1-7.		0
118	Stochastic Exploration of Ambiguities for Nonrigid Shape Recovery. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 463-475.	9.7	15
119	Detecting Irregular Curvilinear Structures in Gray Scale and Color Imagery Using Multi-directional Oriented Flux. , 2013, , .		23
120	TPAMI CVPR Special Section. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 2819-2820.	9.7	0
121	Automated quantification of morphodynamics for high-throughput live cell time-lapse datasets. , 2013, , .		3
122	Learning Separable Filters. , 2013, , .		145
123	Fast Object Detection with Entropy-Driven Evaluation. , 2013, , .		17
124	Reconstructing Loopy Curvilinear Structures Using Integer Programming. , 2013, , .		53
125	Learning for Structured Prediction Using Approximate Subgradient Descent with Working Sets. , 2013, , .		58
126	Boosting Binary Keypoint Descriptors. , 2013, , .		130

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127	Learning Context Cues for Synapse Segmentation. IEEE Transactions on Medical Imaging, 2013, 32, 1864-1877.	5.4	42
128	Active Testing Search for Point Cloud Matching. Lecture Notes in Computer Science, 2013, 23, 572-583.	1.0	4
129	Flash Scanning Electron Microscopy. Lecture Notes in Computer Science, 2013, 16, 413-420.	1.0	2
130	Supervised Feature Learning for Curvilinear Structure Segmentation. Lecture Notes in Computer Science, 2013, 16, 526-533.	1.0	100
131	Structured Image Segmentation Using Kernelized Features. Lecture Notes in Computer Science, 2012, , 400-413.	1.0	40
132	Robust non-rigid registration of 2D and 3D graphs. , 2012, , .		18
133	BRIEF: Computing a Local Binary Descriptor Very Fast. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1281-1298.	9.7	658
134	Hybrid Algorithms for the Minimum-Weight Rooted Arborescence Problem. Lecture Notes in Computer Science, 2012, , 61-72.	1.0	2
135	Efficient large-scale multi-view stereo for ultra high-resolution image sets. Machine Vision and Applications, 2012, 23, 903-920.	1.7	217
136	Automated reconstruction of tree structures using path classifiers and Mixed Integer Programming. , 2012, , .		55
137	SLIC Superpixels Compared to State-of-the-Art Superpixel Methods. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 2274-2282.	9.7	7,142
138	Thick boundaries in binary space and their influence on nearest-neighbor search. Pattern Recognition Letters, 2012, 33, 2173-2180.	2.6	22
139	Robust elastic 2D/3D geometric graph matching. , 2012, , .		7
140	A constrained latent variable model. , 2012, , .		61
141	Supervoxel-Based Segmentation of Mitochondria in EM Image Stacks With Learned Shape Features. IEEE Transactions on Medical Imaging, 2012, 31, 474-486.	5.4	197
142	LDAHash: Improved Matching with Smaller Descriptors. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 66-78.	9.7	483
143	A Real-Time Deformable Detector. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 225-239.	9.7	36
144	Monocular 3D Reconstruction of Locally Textured Surfaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1118-1130.	9.7	25

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145	Gradient Response Maps for Real-Time Detection of Textureless Objects. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 876-888.	9.7	431
146	Learning Context Cues for Synapse Segmentation in EM Volumes. Lecture Notes in Computer Science, 2012, 15, 585-592.	1.0	20
147	Data-Driven Visual Tracking in Retinal Microsurgery. Lecture Notes in Computer Science, 2012, 15, 568-575.	1.0	41
148	Laplacian Meshes for Monocular 3D Shape Recovery. Lecture Notes in Computer Science, 2012, , 412-425.	1.0	31
149	Worldwide Pose Estimation Using 3D Point Clouds. Lecture Notes in Computer Science, 2012, , 15-29.	1.0	162
150	Efficient Scanning for EM Based Target Localization. Lecture Notes in Computer Science, 2012, 15, 337-344.	1.0	1
151	Resolving occlusion in multiframe reconstruction of deformable surfaces. , 2011, , .		2
152	Tracking multiple people under global appearance constraints. , 2011, , .		128
153	Spatio-chromatic decorrelation by shift-invariant filtering. , 2011, , .		5
154	Are spatial and global constraints really necessary for segmentation?. , 2011, , .		39
155	Linear Local Models for Monocular Reconstruction of Deformable Surfaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 931-944.	9.7	92
156	Multiple Object Tracking Using K-Shortest Paths Optimization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1806-1819.	9.7	849
157	Learning Real-Time Perspective Patch Rectification. International Journal of Computer Vision, 2011, 91, 107-130.	10.9	22
158	Real-time vehicle tracking for driving assistance. Machine Vision and Applications, 2011, 22, 439-448.	1.7	38
159	Automated Reconstruction of Dendritic and Axonal Trees by Global Optimization with Geometric Priors. Neuroinformatics, 2011, 9, 279-302.	1.5	119
160	Conditional Random Fields for multi-camera object detection. , 2011, , .		30
161	Turning Augmented Reality into a media: Design exploration to build a dedicated visual language. , 2011, , .		1
162	View-based Maps. International Journal of Robotics Research, 2010, 29, 941-957.	5.8	160

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163	Simultaneous point matching and 3D deformable surface reconstruction. , 2010, , .		24
164	Pareto-optimal dictionaries for signatures. , 2010, , .		5
165	Making Action Recognition Robust to Occlusions and Viewpoint Changes. Lecture Notes in Computer Science, 2010, , 635-648.	1.0	123
166	Simultaneous pose, correspondence and non-rigid shape. , 2010, , .		25
167	Dynamic and scalable large scale image reconstruction. , 2010, , .		69
168	Delineating trees in noisy 2D images and 3D image-stacks. , 2010, , .		29
169	Dominant orientation templates for real-time detection of texture-less objects. , 2010, , .		157
170	Combining Geometric and Appearance Priors for Robust Homography Estimation. Lecture Notes in Computer Science, 2010, , 58-72.	1.0	23
171	Deformable Surface 3D Reconstruction from Monocular Images. Synthesis Lectures on Computer Vision, 2010, 2, 1-113.	0.4	26
172	BRIEF: Binary Robust Independent Elementary Features. Lecture Notes in Computer Science, 2010, , 778-792.	1.0	1,883
173	Fast Keypoint Recognition Using Random Ferns. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 448-461.	9.7	489
174	From Canonical Poses to 3D Motion Capture Using a Single Camera. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 1165-1181.	9.7	20
175	DAISY: An Efficient Dense Descriptor Applied to Wide-Baseline Stereo. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 815-830.	9.7	1,106
176	Exploring Ambiguities for Monocular Non-rigid Shape Estimation. Lecture Notes in Computer Science, 2010, , 370-383.	1.0	14
177	Reconstructing Geometrically Consistent Tree Structures from Noisy Images. Lecture Notes in Computer Science, 2010, 13, 291-299.	1.0	5
178	A Fully Automated Approach to Segmentation of Irregularly Shaped Cellular Structures in EM Images. Lecture Notes in Computer Science, 2010, 13, 463-471.	1.0	63
179	Steerable Features for Statistical 3D Dendrite Detection. Lecture Notes in Computer Science, 2009, 12, 625-632.	1.0	26
180	Pose estimation for category specific multiview object localization. , 2009, , .		172

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181	Learning rotational features for filament detection. , 2009, , .		16
182	Template-free monocular reconstruction of deformable surfaces. , 2009, , .		70
183	Capturing 3D stretchable surfaces from single images in closed form. , 2009, , .		39
184	Image summaries using database saliency. , 2009, , .		6
185	Souvenirs du monde des montagnes. , 2009, , .		3
186	EPnP: An Accurate O(n) Solution to the PnP Problem. International Journal of Computer Vision, 2009, 81, 155-166.	10.9	2,101
187	Real-time learning of accurate patch rectification. , 2009, , .		20
188	Compact signatures for high-speed interest point description and matching. , 2009, , .		38
189	Multiple object tracking using flow linear programming. , 2009, , .		85
190	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
191	Souvenirs du monde des montagnes. Leonardo, 2009, 42, 350-355.	0.2	3
192	Training for Task Specific Keypoint Detection. Lecture Notes in Computer Science, 2009, , 151-160.	1.0	22
193	Learning rotational features for filament detection. , 2009, , .		4
194	Pose estimation for category specific multiview object localization. , 2009, , .		15
195	Reconstructing sharply folding surfaces: A convex formulation. , 2009, , .		9
196	Real-time learning of accurate patch rectification. , 2009, , .		3
197	Capturing 3D stretchable surfaces from single images in closed form. , 2009, , .		4
198	Appearance-based keypoint clustering. , 2009, , .		1

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199	Observable subspaces for 3D human motion recovery. , 2009, , .		0
200	Fast Non-Rigid Surface Detection, Registration and Realistic Augmentation. International Journal of Computer Vision, 2008, 76, 109-122.	10.9	150
201	Retrieving multiple light sources in the presence of specular reflections and texture. Computer Vision and Image Understanding, 2008, 111, 207-218.	3.0	7
202	Multicamera People Tracking with a Probabilistic Occupancy Map. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 267-282.	9.7	619
203	The haunted book. , 2008, , .		28
204	A fast local descriptor for dense matching. , 2008, , .		352
205	Online learning of patch perspective rectification for efficient object detection. , 2008, , .		34
206	3D pose refinement from reflections. , 2008, , .		13
207	Closed-Form Solution to Non-rigid 3D Surface Registration. Lecture Notes in Computer Science, 2008, , 581-594.	1.0	54
208	Local deformation models for monocular 3D shape recovery. , 2008, , .		73
209	Keypoint Signatures for Fast Learning and Recognition. Lecture Notes in Computer Science, 2008, , 58-71.	1.0	38
210	Pose Priors for Simultaneously Solving Alignment and Correspondence. Lecture Notes in Computer Science, 2008, , 405-418.	1.0	44
211	Multi-camera Tracking and Atypical Motion Detection with Behavioral Maps. Lecture Notes in Computer Science, 2008, , 112-125.	1.0	26
212	Linking Pose and Motion. Lecture Notes in Computer Science, 2008, , 200-213.	1.0	3
213	Automated Delineation of Dendritic Networks in Noisy Image Stacks. Lecture Notes in Computer Science, 2008, , 214-227.	1.0	6
214	Deformable Surface Tracking Ambiguities. , 2007, , .		32
215	Accurate Non-Iterative O(n) Solution to the PnP Problem. , 2007, , .		191
216	Convex Optimization for Deformable Surface 3-D Tracking. , 2007, , .		87

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217	Surface Deformation Models for Nonrigid 3D Shape Recovery. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1481-1487.	9.7	104
218	Bridging the Gap between Detection and Tracking for 3D Monocular Video-Based Motion Capture. , 2007, , .		20
219	Retexturing in the Presence of Complex Illumination and Occlusions. , 2007, , .		11
220	Non-Linear Beam Model for Tracking Large Deformations. , 2007, , .		9
221	Fast Keypoint Recognition in Ten Lines of Code. , 2007, , .		295
222	Implicit Meshes for Effective Silhouette Handling. International Journal of Computer Vision, 2007, 72, 159-178.	10.9	21
223	Vision Based 3D Tracking and Pose Estimation for Mixed Reality. , 2007, , 1-22.		9
224	Keypoint recognition using randomized trees. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1465-1479.	9.7	585
225	Implicit meshes for surface reconstruction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 328-333.	9.7	23
226	Body Cloning and Body Motion Capture. , 2006, , 52-74.		1
227	Temporal motion models for monocular and multiview 3D human body tracking. Computer Vision and Image Understanding, 2006, 104, 157-177.	3.0	69
228	Estimation and Visualization of Sagittal Kinematics of Lower Limbs Orientation Using Body-Fixed Sensors. IEEE Transactions on Biomedical Engineering, 2006, 53, 1385-1393.	2.5	160
229	Feature Harvesting for Tracking-by-Detection. Lecture Notes in Computer Science, 2006, , 592-605.	1.0	38
230	An all-in-one solution to geometric and photometric calibration. , 2006, , .		20
231	Monocular Model-Based 3D Tracking of Rigid Objects: A Survey. Foundations and Trends in Computer Graphics and Vision, 2005, 1, 1-89.	2.8	437
232	An Investigation of Model Bias in 3D Face Tracking. Lecture Notes in Computer Science, 2005, , 125-139.	1.0	6
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