# Daniel Cremers

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 174 papers | 11,899 citations | 51 h-index | 107 g-index |
| 181 ext. papers | 15,152 ext. citations | 4.5 avg, IF | 7.03 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 174 | DM-VIO: Delayed Marginalization Visual-Inertial Odometry. *IEEE Robotics and Automation Letters*, **2022**, 7, 1408-1415 | 4.2 | 5 |
| 173 | Sublabel-Accurate Multilabeling Meets Product Label Spaces. *Lecture Notes in Computer Science*, **2021**, 3-17 | 0.9 | 0 |
| 172 | NeuroMorph: Unsupervised Shape Interpolation and Correspondence in One Go **2021**, | | 5 |
| 171 | Accelerating in vivo fast spin echo high angular resolution diffusion imaging with an isotropic resolution in mice through compressed sensing. *Magnetic Resonance in Medicine*, **2021**, 85, 1397-1413 | 4.4 | 1 |
| 170 | MOTChallenge: A Benchmark for Single-Camera Multiple Target Tracking. *International Journal of Computer Vision*, **2021**, 129, 845-881 | 10.6 | 29 |
| 169 | From Planes to Corners: Multi-Purpose Primitive Detection in Unorganized 3D Point Clouds. *IEEE Robotics and Automation Letters*, **2020**, 5, 1764-1771 | 4.2 | 1 |
| 168 | Bregman Proximal Mappings and Bregman–Moreau Envelopes Under Relative Prox-Regularity. *Journal of Optimization Theory and Applications*, **2020**, 184, 724-761 | 1.6 | 2 |
| 167 | GN-Net: The Gauss-Newton Loss for Multi-Weather Relocalization. *IEEE Robotics and Automation Letters*, **2020**, 5, 890-897 | 4.2 | 16 |
| 166 | Unsupervised Dense Shape Correspondence using Heat Kernels **2020**, | | 2 |
| 165 | Hamiltonian Dynamics for Real-World Shape Interpolation. *Lecture Notes in Computer Science*, **2020**, 179-196 | 0.9 | 2 |
| 164 | On the Well-Posedness of Uncalibrated Photometric Stereo Under General Lighting. *Advances in Computer Vision and Pattern Recognition*, **2020**, 147-176 | 1.1 | 1 |
| 163 | Trajectory prediction for intelligent vehicles using spatial-attention mechanism. *IET Intelligent Transport Systems*, **2020**, 14, 1855-1863 | 2.4 | 5 |
| 162 | Lifting Methods for Manifold-Valued Variational Problems **2020**, 95-119 | | 1 |
| 161 | Inferring Super-Resolution Depth from a Moving Light-Source Enhanced RGB-D Sensor: A Variational Approach **2020**, | | 3 |
| 160 | Photometric Depth Super-Resolution. *IEEE Transactions on Pattern Analysis and Machine Intelligence* , **2020**, 42, 2453-2464 | 13.3 | 7 |
| 159 | A Noninvasive 3D Body Scanner and Software Tool towards Analysis of Scoliosis. *BioMed Research International*, **2019**, 2019, 4715720 | 3 | 5 |
| 158 | Efficient Deep Network Architectures for Fast Chest X-Ray Tuberculosis Screening and Visualization. *Scientific Reports*, **2019**, 9, 6268 | 4.9 | 124 |

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| 157 | Video Object Segmentation without Temporal Information. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2019**, 41, 1515-1530 | 13.3 | 103 |
| 156 | Divergence-Free Shape Correspondence by Deformation. *Computer Graphics Forum*, **2019**, 38, 1-12 | 2.4 | 8 |
| 155 | Rolling-Shutter Modelling for Direct Visual-Inertial Odometry **2019**, | | 7 |
| 154 | A Region-Based Gauss-Newton Approach to Real-Time Monocular Multiple Object Tracking. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2019**, 41, 1797-1812 | 13.3 | 24 |
| 153 | What Makes Good Synthetic Training Data for Learning Disparity and Optical Flow Estimation?. *International Journal of Computer Vision*, **2018**, 126, 942-960 | 10.6 | 71 |
| 152 | Online Photometric Calibration of Auto Exposure Video for Realtime Visual Odometry and SLAM. *IEEE Robotics and Automation Letters*, **2018**, 3, 627-634 | 4.2 | 32 |
| 151 | Radiomics in radiooncology - Challenging the medical physicist. *Physica Medica*, **2018**, 48, 27-36 | 2.7 | 49 |
| 150 | Direct Sparse Odometry. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2018**, 40, 611-625 | 13.3 | 831 |
| 149 | Challenges in Monocular Visual Odometry: Photometric Calibration, Motion Bias, and Rolling Shutter Effect. *IEEE Robotics and Automation Letters*, **2018**, 3, 2878-2885 | 4.2 | 51 |
| 148 | Omnidirectional DSO: Direct Sparse Odometry With Fisheye Cameras. *IEEE Robotics and Automation Letters*, **2018**, 3, 3693-3700 | 4.2 | 34 |
| 147 | Variational Reflectance Estimation from Multi-view Images. *Journal of Mathematical Imaging and Vision*, **2018**, 60, 1527-1546 | 1.6 | 4 |
| 146 | LED-Based Photometric Stereo: Modeling, Calibration and Numerical Solution. *Journal of Mathematical Imaging and Vision*, **2018**, 60, 313-340 | 1.6 | 29 |
| 145 | Incremental Semi-Supervised Learning from Streams for Object Classification **2018**, | | 1 |
| 144 | Fight Ill-Posedness with Ill-Posedness: Single-shot Variational Depth Super-Resolution from Shading **2018**, | | 22 |
| 143 | LDSO: Direct Sparse Odometry with Loop Closure **2018**, | | 89 |
| 142 | Fusion of Head and Full-Body Detectors for Multi-object Tracking **2018**, | | 69 |
| 141 | Partial Single- and Multishape Dense Correspondence Using Functional Maps. *Handbook of Numerical Analysis*, **2018**, 19, 55-90 | 1 | |
| 140 | StaticFusion: Background Reconstruction for Dense RGB-D SLAM in Dynamic Environments **2018**, | | 60 |

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| 139 | Direct Sparse Visual-Inertial Odometry Using Dynamic Marginalization **2018**, | | 58 |
| 138 | DeepWrinkles: Accurate and Realistic Clothing Modeling. *Lecture Notes in Computer Science*, **2018**, 698-715 | 0.9 | 46 |
| 137 | Consistent Partial Matching of Shape Collections via Sparse Modeling. *Computer Graphics Forum*, **2017**, 36, 209-221 | 2.4 | 24 |
| 136 | Partial Functional Correspondence. *Computer Graphics Forum*, **2017**, 36, 222-236 | 2.4 | 99 |
| 135 | Automatic image-based determination of pruning mass as a determinant for yield potential in grapevine management and breeding. *Australian Journal of Grape and Wine Research*, **2017**, 23, 120-124 | 2.4 | 11 |
| 134 | Regularized Pointwise Map Recovery from Functional Correspondence. *Computer Graphics Forum*, **2017**, 36, 700-711 | 2.4 | 10 |
| 133 | Computer Vision für 3-D-Rekonstruktion. *Informatik-Spektrum*, **2017**, 40, 205-209 | 0.3 | |
| 132 | Sequential Convex Programming for Computing Information-Theoretic Minimal Partitions: Nonconvex Nonsmooth Optimization. *SIAM Journal on Imaging Sciences*, **2017**, 10, 1845-1877 | 1.9 | |
| 131 | Microgeometry capture and RGB albedo estimation by photometric stereo without demosaicing **2017**, | | 1 |
| 130 | Real-time variational stereo reconstruction with applications to large-scale dense SLAM **2017**, | | 3 |
| 129 | De-noising, stabilizing and completing 3D reconstructions on-the-go using plane priors **2017**, | | 13 |
| 128 | Map-based drone homing using shortcuts **2017**, | | 5 |
| 127 | A Non-convex Variational Approach to Photometric Stereo under Inaccurate Lighting **2017**, | | 28 |
| 126 | One-Shot Video Object Segmentation **2017**, | | 333 |
| 125 | Intrinsic3D: High-Quality 3D Reconstruction by Joint Appearance and Geometry Optimization with Spatially-Varying Lighting **2017**, | | 45 |
| 124 | Depth Super-Resolution Meets Uncalibrated Photometric Stereo **2017**, | | 12 |
| 123 | Multi-view deep learning for consistent semantic mapping with RGB-D cameras **2017**, | | 48 |
| 122 | From monocular SLAM to autonomous drone exploration **2017**, | | 14 |

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| 121 | Semi-calibrated Near-Light Photometric Stereo. *Lecture Notes in Computer Science*, **2017**, 656-668 | 0.9 | 9 |
| 120 | Midrange Geometric Interactions for Semantic Segmentation. *International Journal of Computer Vision*, **2016**, 117, 199-225 | 10.6 | 2 |
| 119 | Stream-based Active Learning for efficient and adaptive classification of 3D objects **2016**, | | 6 |
| 118 | CPA-SLAM: Consistent plane-model alignment for direct RGB-D SLAM **2016**, | | 63 |
| 117 | Direct visual-inertial odometry with stereo cameras **2016**, | | 104 |
| 116 | Collaborative Total Variation: A General Framework for Vectorial TV Models. *SIAM Journal on Imaging Sciences*, **2016**, 9, 116-151 | 1.9 | 34 |
| 115 | Holistic Image Reconstruction for Diffusion MRI. *Mathematics and Visualization*, **2016**, 27-39 | 0.6 | 1 |
| 114 | Anisotropic Diffusion Descriptors. *Computer Graphics Forum*, **2016**, 35, 431-441 | 2.4 | 75 |
| 113 | Non-Rigid Puzzles. *Computer Graphics Forum*, **2016**, 35, 135-143 | 2.4 | 46 |
| 112 | q-Space Deep Learning: Twelve-Fold Shorter and Model-Free Diffusion MRI Scans. *IEEE Transactions on Medical Imaging*, **2016**, 35, 1344-1351 | 11.7 | 158 |
| 111 | Spectral Decompositions Using One-Homogeneous Functionals. *SIAM Journal on Imaging Sciences*, **2016**, 9, 1374-1408 | 1.9 | 53 |
| 110 | . *IEEE Transactions on Aerospace and Electronic Systems*, **2015**, 51, 575-590 | 3.7 | 13 |
| 109 | The Role of Diffusion in Figure Hunt Games. *Journal of Mathematical Imaging and Vision*, **2015**, 52, 108-123 | 1.6 | 2 |
| 108 | The Primal-Dual Hybrid Gradient Method for Semiconvex Splittings. *SIAM Journal on Imaging Sciences*, **2015**, 8, 827-857 | 1.9 | 28 |
| 107 | A simple and effective relevance-based point sampling for 3D shapes. *Pattern Recognition Letters*, **2015**, 59, 41-47 | 4.7 | 17 |
| 106 | Field phenotyping of grapevine growth using dense stereo reconstruction. *BMC Bioinformatics*, **2015**, 16, 143 | 3.6 | 36 |
| 105 | A primal-dual framework for real-time dense RGB-D scene flow **2015**, | | 57 |
| 104 | Entropy Minimization for Groupwise Planar Shape Co-alignment and its Applications. *IEEE Signal Processing Letters*, **2015**, 22, 1922-1926 | 3.2 | |

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| 103 | Large-scale direct SLAM with stereo cameras **2015**, | | 208 |
| 102 | Realistic photometric stereo using partial differential irradiance equation ratios. *Computers and Graphics*, **2015**, 51, 8-16 | 1.8 | 14 |
| 101 | Adopting an unconstrained ray model in light-field cameras for 3D shape reconstruction **2015**, | | 9 |
| 100 | Semi-supervised online learning for efficient classification of objects in 3D data streams **2015**, | | 2 |
| 99 | Active online confidence boosting for efficient object classification **2015**, | | 4 |
| 98 | Super-resolution Keyframe Fusion for 3D Modeling with High-Quality Textures **2015**, | | 16 |
| 97 | Variational Depth From Focus Reconstruction. *IEEE Transactions on Image Processing*, **2015**, 24, 5369-78 | 8.7 | 54 |
| 96 | Scale-aware navigation of a low-cost quadrocopter with a monocular camera. *Robotics and Autonomous Systems*, **2014**, 62, 1646-1656 | 3.5 | 133 |
| 95 | . *IEEE Transactions on Aerospace and Electronic Systems*, **2014**, 50, 1660-1672 | 3.7 | 8 |
| 94 | Convex Relaxation of Vectorial Problems with Coupled Regularization. *SIAM Journal on Imaging Sciences*, **2014**, 7, 294-336 | 1.9 | 16 |
| 93 | LSD-SLAM: Large-Scale Direct Monocular SLAM. *Lecture Notes in Computer Science*, **2014**, 834-849 | 0.9 | 827 |
| 92 | Dense Non-rigid Shape Correspondence Using Random Forests **2014**, | | 78 |
| 91 | Robust Region Detection via Consensus Segmentation of Deformable Shapes. *Computer Graphics Forum*, **2014**, 33, 97-106 | 2.4 | 19 |
| 90 | Real-Time Minimization of the Piecewise Smooth Mumford-Shah Functional. *Lecture Notes in Computer Science*, **2014**, 127-141 | 0.9 | 25 |
| 89 | Volumetric 3D mapping in real-time on a CPU **2014**, | | 76 |
| 88 | A Super-Resolution Framework for High-Accuracy Multiview Reconstruction. *International Journal of Computer Vision*, **2014**, 106, 172-191 | 10.6 | 35 |
| 87 | Generalized Connectivity Constraints for Spatio-temporal 3D Reconstruction. *Lecture Notes in Computer Science*, **2014**, 32-46 | 0.9 | 17 |
| 86 | Total Cyclic Variation and Generalizations. *Journal of Mathematical Imaging and Vision*, **2013**, 47, 258-277 | 1.6 | 33 |

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| 85 | Tight Convex Relaxations for Vector-Valued Labeling. *SIAM Journal on Imaging Sciences*, **2013**, 6, 1626-1664 | 1.9 | 21 |
| 84 | A Survey and Comparison of Discrete and Continuous Multi-label Optimization Approaches for the Potts Model. *International Journal of Computer Vision*, **2013**, 104, 223-240 | 10.6 | 34 |
| 83 | A Convex Relaxation Approach to Space Time Multi-view 3D Reconstruction **2013**, | | 10 |
| 82 | Proximity Priors for Variational Semantic Segmentation and Recognition **2013**, | | 8 |
| 81 | Convex Optimization for Scene Understanding **2013**, | | 2 |
| 80 | Spatially varying color distributions for interactive multilabel segmentation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2013**, 35, 1234-47 | 13.3 | 42 |
| 79 | Relative Volume Constraints for Single View 3D Reconstruction **2013**, | | 10 |
| 78 | Proportion Priors for Image Sequence Segmentation **2013**, | | 6 |
| 77 | Robust odometry estimation for RGB-D cameras **2013**, | | 287 |
| 76 | Elastic Net Constraints for Shape Matching **2013**, | | 25 |
| 75 | Depth-adaptive supervoxels for RGB-D video segmentation **2013**, | | 9 |
| 74 | Dense visual SLAM for RGB-D cameras **2013**, | | 351 |
| 73 | Total Variation Regularization for Functions with Values in a Manifold **2013**, | | 36 |
| 72 | A Co-occurrence Prior for Continuous Multi-label Optimization. *Lecture Notes in Computer Science*, **2013**, 209-222 | 0.9 | 3 |
| 71 | Efficient Convex Optimization for Minimal Partition Problems with Volume Constraints. *Lecture Notes in Computer Science*, **2013**, 94-107 | 0.9 | 2 |
| 70 | Fast joint estimation of silhouettes and dense 3D geometry from multiple images. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2012**, 34, 493-505 | 13.3 | 50 |
| 69 | A Convex Approach to Minimal Partitions. *SIAM Journal on Imaging Sciences*, **2012**, 5, 1113-1158 | 1.9 | 117 |
| 68 | The Natural Vectorial Total Variation Which Arises from Geometric Measure Theory. *SIAM Journal on Imaging Sciences*, **2012**, 5, 537-563 | 1.9 | 85 |

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| 67 | Optimal solutions for semantic image decomposition. *Image and Vision Computing*, **2012**, 30, 476-477 | 3.7 | 2 |
| 66 | Image segmentation with one shape prior A template-based formulation. *Image and Vision Computing*, **2012**, 30, 1032-1042 | 3.7 | 17 |
| 65 | Real-time human motion tracking using multiple depth cameras **2012**, | | 44 |
| 64 | An evaluation of the RGB-D SLAM system **2012**, | | 345 |
| 63 | Camera-based navigation of a low-cost quadrocopter **2012**, | | 179 |
| 62 | Evaluation of a Nonrigid Motion Compensation Technique Based on Spatiotemporal Features for Small Lesion Detection in Breast MRI. *Advances in Artificial Neural Systems*, **2012**, 2012, 1-10 | | 1 |
| 61 | A Linear Framework for Region-Based Image Segmentation and Inpainting Involving Curvature Penalization. *International Journal of Computer Vision*, **2012**, 99, 53-68 | 10.6 | 41 |
| 60 | A generalized framework for opening doors and drawers in kitchen environments **2012**, | | 35 |
| 59 | A benchmark for the evaluation of RGB-D SLAM systems **2012**, | | 1234 |
| 58 | Nonmetric Priors for Continuous Multilabel Optimization. *Lecture Notes in Computer Science*, **2012**, 208-221 | | 3 |
| 57 | Real-time visual odometry from dense RGB-D images **2011**, | | 161 |
| 56 | Large-Scale Integer Linear Programming for Orientation Preserving 3D Shape Matching. *Computer Graphics Forum*, **2011**, 30, 1471-1480 | 2.4 | 14 |
| 55 | The elastic ratio: introducing curvature into ratio-based image segmentation. *IEEE Transactions on Image Processing*, **2011**, 20, 2565-81 | 8.7 | 25 |
| 54 | Multiview stereo and silhouette consistency via convex functionals over convex domains. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2011**, 33, 1161-74 | 13.3 | 64 |
| 53 | Stereoscopic Scene Flow Computation for 3D Motion Understanding. *International Journal of Computer Vision*, **2011**, 95, 29-51 | 10.6 | 113 |
| 52 | Multiple source localization based on biased bearings using the intensity filter - approach and experimental results **2011**, | | 1 |
| 51 | A variational approach to vesicle membrane reconstruction from fluorescence imaging. *Pattern Recognition*, **2011**, 44, 2944-2958 | 7.7 | 1 |
| 50 | Tight convex relaxations for vector-valued labeling problems **2011**, | | 15 |

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| 49 | Decoupling photometry and geometry in dense variational camera calibration **2011**, | | 8 |
| 48 | Multi-object tracking via high accuracy optical flowand finite set statistics **2011**, | | 6 |
| 47 | Generalized ordering constraints for multilabel optimization **2011**, | | 28 |
| 46 | Total variation for cyclic structures: Convex relaxation and efficient minimization **2011**, | | 12 |
| 45 | The wave kernel signature: A quantum mechanical approach to shape analysis **2011**, | | 295 |
| 44 | Passive multi-object localization and tracking using bearing data **2010**, | | 4 |
| 43 | Combined region and motion-based 3D tracking of rigid and articulated objects. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2010**, 32, 402-15 | 13.3 | 93 |
| 42 | Global Solutions of Variational Models with Convex Regularization. *SIAM Journal on Imaging Sciences*, **2010**, 3, 1122-1145 | 1.9 | 102 |
| 41 | Anisotropic Minimal Surfaces Integrating Photoconsistency and Normal Information for Multiview Stereo. *Lecture Notes in Computer Science*, **2010**, 538-551 | 0.9 | 16 |
| 40 | Continuous ratio optimization via convex relaxation with applications to multiview 3D reconstruction **2009**, | | 6 |
| 39 | Large displacement optical flow computation withoutwarping **2009**, | | 35 |
| 38 | Beyond connecting the dots: A polynomial-time algorithm for segmentation and boundary estimation with imprecise user input **2009**, | | 6 |
| 37 | Superresolution texture maps for multiview reconstruction **2009**, | | 31 |
| 36 | On Local Region Models and a Statistical Interpretation of the Piecewise Smooth Mumford-Shah Functional. *International Journal of Computer Vision*, **2009**, 84, 184-193 | 10.6 | 83 |
| 35 | Continuous Global Optimization in Multiview 3D Reconstruction. *International Journal of Computer Vision*, **2009**, 84, 80-96 | 10.6 | 105 |
| 34 | An algorithm for minimizing the Mumford-Shah functional **2009**, | | 149 |
| 33 | B-Spline Modeling of Road Surfaces With an Application to Free-Space Estimation. *IEEE Transactions on Intelligent Transportation Systems*, **2009**, 10, 572-583 | 6.1 | 69 |
| 32 | Efficient planar graph cuts with applications in Computer Vision **2009**, | | 24 |

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| 31 | A convex relaxation approach for computing minimal partitions **2009**, | | 133 |
| 30 | Anisotropic Huber-L1 Optical Flow **2009**, | | 212 |
| 29 | Fast and exact solution of Total Variation models on the GPU **2008**, | | 17 |
| 28 | Efficient nonlocal means for denoising of textural patterns. *IEEE Transactions on Image Processing*, **2008**, 17, 1083-92 | 8.7 | 163 |
| 27 | High resolution motion layer decomposition using dual-space graph cuts **2008**, | | 20 |
| 26 | Matching non-rigidly deformable shapes across images: A globally optimal solution **2008**, | | 9 |
| 25 | A Convex Formulation of Continuous Multi-label Problems. *Lecture Notes in Computer Science*, **2008** , 792-805 | 0.9 | 67 |
| 24 | Globally optimal shape-based tracking in real-time **2008**, | | 12 |
| 23 | Duality TV-L1 flow with fundamental matrix prior **2008**, | | 36 |
| 22 | 3-D Reconstruction of Shaded Objects from Multiple Images Under Unknown Illumination. *International Journal of Computer Vision*, **2008**, 76, 245-256 | 10.6 | 36 |
| 21 | Nonlinear Dynamical Shape Priors for Level Set Segmentation. *Journal of Scientific Computing*, **2008** , 35, 132-143 | 2.3 | 26 |
| 20 | Introducing Curvature into Globally Optimal Image Segmentation: Minimum Ratio Cycles on Product Graphs **2007**, | | 16 |
| 19 | Statistical shape priors for level set segmentation. *Proceedings in Applied Mathematics and Mechanics*, **2007**, 7, 1041903-1041904 | 0.2 | 1 |
| 18 | A Review of Statistical Approaches to Level Set Segmentation: Integrating Color, Texture, Motion and Shape. *International Journal of Computer Vision*, **2007**, 72, 195-215 | 10.6 | 698 |
| 17 | Fast Matching of Planar Shapes in Sub-cubic Runtime **2007**, | | 30 |
| 16 | Globally Optimal Image Segmentation with an Elastic Shape Prior **2007**, | | 30 |
| 15 | Nonlinear Dynamical Shape Priors for Level Set Segmentation **2007**, | | 11 |
| 14 | Continuous Global Optimization in Multiview 3D Reconstruction. *Lecture Notes in Computer Science*, **2007**, 441-452 | 0.9 | 11 |

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| 13 | Intrinsic Mean for Semi-metrical Shape Retrieval Via Graph Cuts **2007**, 446-455 | | 5 |
| 12 | Dynamical statistical shape priors for level set-based tracking. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2006**, 28, 1262-73 | 13.3 | 213 |
| 11 | A Multiphase Dynamic Labeling Model for Variational Recognition-driven Image Segmentation. *International Journal of Computer Vision*, **2006**, 66, 67-81 | 10.6 | 76 |
| 10 | Kernel Density Estimation and Intrinsic Alignment for Shape Priors in Level Set Segmentation. *International Journal of Computer Vision*, **2006**, 69, 335-351 | 10.6 | 258 |
| 9 | Motion Competition: A Variational Approach to Piecewise Parametric Motion Segmentation. *International Journal of Computer Vision*, **2005**, 62, 249-265 | 10.6 | 186 |
| 8 | Shape statistics in kernel space for variational image segmentation. *Pattern Recognition*, **2003**, 36, 1929-1943 | 7.4 | 163 |
| 7 | Statistical shape knowledge in variational motion segmentation. *Image and Vision Computing*, **2003**, 21, 77-86 | 3.7 | 36 |
| 6 | Diffusion Snakes: Introducing Statistical Shape Knowledge into the Mumford-Shah Functional. *International Journal of Computer Vision*, **2002**, 50, 295-313 | 10.6 | 218 |
| 5 | Traveling waves of excitation in neural field models: equivalence of rate descriptions and integrate-and-fire dynamics. *Neural Computation*, **2002**, 14, 1651-67 | 2.9 | 10 |
| 4 | Flow equations for the Hénon-Heiles Hamiltonian. *Physica D: Nonlinear Phenomena*, **1999**, 126, 123-135 | 3.3 | 7 |
| 3 | Nonparametric Priors on the Space of Joint Intensity Distributions for Non-Rigid Multi-Modal Image Registration | | 2 |
| 2 | Continuous ratio optimization via convex relaxation with applications to multiview 3D reconstruction | | 2 |
| 1 | Efficient planar graph cuts with applications in Computer Vision | | 7 |