Journal Articles

[J1] J. Chui, S. Klenk and D. Cremers,
*Event-Based Feature Tracking in Continuous Time with Sliding Window Optimization*,

[J2] M. Jaimez and J. Gonzalez-Jimenez,
*Fast Visual Odometry for 3-D Range Sensors*,

[J3] T. Brox, B. Rosenhahn, J. Gall and D. Cremers,
*Combined region- and motion-based 3D tracking of rigid and articulated objects*,

[J4] B. Rosenhahn, T. Brox and J. Weickert,
*Three-dimensional shape knowledge for joint image segmentation and pose tracking*,

Book Chapters

[BC1] T. Brox, B. Rosenhahn and D. Cremers,
*Contours, optic flow, and prior knowledge: cues for capturing 3D human motion in videos*,

Conference and Workshop Papers

[C1] M. Jaimez, T. J. Cashman, A. Fitzgibbon, J. Gonzalez-Jimenez and D. Cremers,
*An Efficient Background Term for 3D Reconstruction and Tracking with Smooth Subdivision Surface Models*,

*Model-Based Tracking at 300Hz using Raw Time-of-Flight Observations*,
*IEEE International Conference on Computer Vision (ICCV)*, Santiago, Chile, 2015.

*Markerless Motion Capture of Man-Machine Interaction*,

[C4] B. Rosenhahn, T. Brox, D. Cremers and H.-P. Seidel,
*Modeling and Tracking Line-Constrained Mechanical Systems*,
Keywords: Tracking  
List of Publications

[C5] T. Brox, B. Rosenhahn, D. Cremers and H.-P. Seidel,  
**Nonparametric density estimation with adaptive anisotropic kernels for human motion tracking**,  

**Occlusion Modeling by Tracking Multiple Objects**,  

[C7] B. Rosenhahn, T. Brox, D. Cremers and H.-P. Seidel,  
**Online smoothing for markerless motion capture**,  

[C8] B. Rosenhahn, T. Brox and H.-P. Seidel,  
**Scaled motion dynamics for markerless motion capture**,  

[C9] C. Schmaltz, B. Rosenhahn, T. Brox, D. Cremers, J. Weickert, L. Wietzke and G. Sommer,  
**Region-based Pose Tracking**,  

[C10] T. Brox, B. Rosenhahn, U. Kersting and D. Cremers,  
**Nonparametric density estimation for human pose tracking**,  

[C11] T. Brox, B. Rosenhahn, D. Cremers and H.-P. Seidel,  
**High accuracy optical flow serves 3-D pose tracking: exploiting contour and flow based constraints**,  