**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 Gladkova, N Korobov, N Demmel, A Osep, L Leal-Taixe and D Cremers,  
*DirectTracker: 3D Multi-Object Tracking Using Direct Image Alignment and Photometric Bundle Adjustment*,  

[C2] 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*,  
Keywords: Tracking

List of Publications

[C5] B. Rosenhahn, T. Brox, D. Cremers and H.-P. Seidel,
Modeling and Tracking Line-Constrained Mechanical Systems,

[C6] T. Brox, B. Rosenhahn, D. Cremers and H.-P. Seidel,
Nonparametric density estimation with adaptive anisotropic kernels for human motion tracking,

[C7] C. Schmaltz, B. Rosenhahn, T. Brox, D. Cremers, J. Weickert, L. Wietzke and G. Sommer,
Occlusion Modeling by Tracking Multiple Objects,

[C8] B. Rosenhahn, T. Brox, D. Cremers and H.-P. Seidel,
Online smoothing for markerless motion capture,

[C9] B. Rosenhahn, T. Brox and H.-P. Seidel,
Scaled motion dynamics for markerless motion capture,

[C10] C. Schmaltz, B. Rosenhahn, T. Brox, D. Cremers, J. Weickert, L. Wietzke and G. Sommer,
Region-based Pose Tracking,

[C11] T. Brox, B. Rosenhahn, U. Kersting and D. Cremers,
Nonparametric density estimation for human pose tracking,

[C12] 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,