[C1] L. Ma, C. Kerl, J. Stueckler and D. Cremers,
**CPA-SLAM: Consistent Plane-Model Alignment for Direct RGB-D SLAM**, 
*Int. Conf. on Robotics and Automation*, May 2016.

[C1] C. Kerl, J. Stueckler and D. Cremers,
**Dense Continuous-Time Tracking and Mapping with Rolling Shutter RGB-D Cameras**, 
*IEEE International Conference on Computer Vision (ICCV)*, Santiago, Chile, 2015.

[C1] C. Kerl, M. Souiai, J. Sturm and D. Cremers,
**Towards Illumination-invariant 3D Reconstruction using ToF RGB-D Cameras**, 

[C1] C. Kerl, J. Sturm and D. Cremers,
**Robust Odometry Estimation for RGB-D Cameras**, 
*Int. Conf. on Robotics and Automation*, May 2013, Best Vision Paper Award - Finalist.

[C2] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers,
**Real-Time Camera Tracking and 3D Reconstruction Using Signed Distance Functions**, 

[C3] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers,
**Direct Camera Pose Tracking and Mapping With Signed Distance Functions**, 
*Demo Track of the RGB-D Workshop on Advanced Reasoning with Depth Cameras at the Robotics: Science and Systems Conference (RSS)*, June 2013.

[C4] C. Kerl, J. Sturm and D. Cremers,
**Dense Visual SLAM for RGB-D Cameras**, 

[C5] F. Steinbruecker, C. Kerl, J. Sturm and D. Cremers,
**Large-Scale Multi-Resolution Surface Reconstruction from RGB-D Sequences**, 
*IEEE International Conference on Computer Vision (ICCV)*, Sydney, Australia, 2013.

[M1] C. Kerl,
**Odometry from RGB-D Cameras for Autonomous Quadrocopters**, 
Technical University Munich, Germany, Nov. 2012.