[C1] V. Usenko, J. Engel, J. Stueckler and D. Cremers,
Direct Visual-Inertial Odometry with Stereo Cameras,
*Int. Conf. on Robotics and Automation*, May 2016.

[C2] J. Engel, V. Usenko and D. Cremers,
A Photometrically Calibrated Benchmark For Monocular Visual Odometry,

[C3] J. Engel, V. Koltun and D. Cremers,
Direct Sparse Odometry,

[C1] J. Engel, J. Stueckler and D. Cremers,
Large-Scale Direct SLAM with Stereo Cameras,

[C2] D. Caruso, J. Engel and D. Cremers,
Large-Scale Direct SLAM for Omnidirectional Cameras,

[C3] V. Usenko, J. Engel, J. Stueckler and D. Cremers,
Reconstructing Street-Scenes in Real-Time From a Driving Car,

[J1] J. Engel, J. Sturm and D. Cremers,
Scale-Aware Navigation of a Low-Cost Quadrocopter with a Monocular Camera,

[C1] J. Engel, T. Schöps and D. Cremers,
LSD-SLAM: Large-Scale Direct Monocular SLAM,
*European Conference on Computer Vision (ECCV)*, September 2014, Oral Presentation.

[C2] T. Schöps, J. Engel and D. Cremers,
Semi-Dense Visual Odometry for AR on a Smartphone,

[C3] O. Dunkley, J. Engel, J. Sturm and D. Cremers,
Visual-Inertial Navigation for a Camera-Equipped 25g Nano-Quadroto r,

[C1] J. Engel, J. Sturm and D. Cremers,
Semi-Dense Visual Odometry for a Monocular Camera,
*IEEE International Conference on Computer Vision (ICCV)*, Sydney, Australia, December 2013.
[C1] J. Engel, J. Sturm and D. Cremers,  
**Camera-Based Navigation of a Low-Cost Quadrocopter,**  

[C2] J. Engel, J. Sturm and D. Cremers,  
**Accurate Figure Flying with a Quadrocopter Using Onboard Visual and Inertial Sensing,**  

[M1] J. Engel,  
**Autonomous Camera-Based Navigation of a Quadrocopter,**  
Technical University Munich, Germany, Dec. 2011, **Distinguished with the SIEMENS award for best Master’s Thesis 2012.**