[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*, 

[C4] L. von Stumberg, V. Usenko, J. Engel, J. Stückler and D. Cremers, 
*Autonomous Exploration with a Low-Cost Quadrocopter using Semi-Dense Monocular SLAM*, 

[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*, 

[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-Quadrotor*, 
[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.