Journal Articles

[J1] V. Usenko, N. Demmel, D. Schubert, J. Stueckler and D. Cremers, 
Visual-Inertial Mapping with Non-Linear Factor Recovery, 

Cloud-based collaborative 3D mapping in real-time with low-cost robots, 

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[C1] D. Schubert, N. Demmel, L. von Stumberg, V. Usenko and D. Cremers, 
Rolling-Shutter Modelling for Visual-Inertial Odometry, 
November 2019.

[C2] C. Sommer, V. Usenko, D. Schubert, N. Demmel and D. Cremers, 
Efficient Derivative Computation for Cumulative B-Splines on Lie Groups, 

[C3] L. von Stumberg, V. Usenko and D. Cremers, 
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May 2018.

The TUM VI Benchmark for Evaluating Visual-Inertial Odometry, 
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[C5] D. Schubert, N. Demmel, V. Usenko, J. Stueckler and D. Cremers, 
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[C6] V. Usenko, N. Demmel and D. Cremers, 
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From Monocular SLAM to Autonomous Drone Exploration, 
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[C8] V. Usenko, L. von Stumberg, A. Pangercic and D. Cremers, 
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[C9] V. Usenko, J. Engel, J. Stueckler and D. Cremers, 
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PhDThesis