Journal Articles

[J1] L. von Stumberg and D. Cremers,  
DM-VIO: Delayed Marginalization Visual-Inertial Odometry,  

[J2] J. Engel, V. Koltun and D. Cremers,  
Direct Sparse Odometry,  

[J3] P. Bergmann, R. Wang and D. Cremers,  
Online Photometric Calibration of Auto Exposure Video for Realtime Visual Odometry and SLAM,  

Omnidirectional DSO: Direct Sparse Odometry with Fisheye Cameras,  

Conference and Workshop Papers

[C1] M. Gladkova, R. Wang, N. Zeller and D. Cremers,  
Tight Integration of Feature-based Relocalization in Monocular Direct Visual Odometry,  

[C2] N. Yang, L. von Stumberg, R. Wang and D. Cremers,  
D3VO: Deep Depth, Deep Pose and Deep Uncertainty for Monocular Visual Odometry,  
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020, Oral Presentation.

[C3] D. Schubert, N. Demmel, L. von Stumberg, V. Usenko and D. Cremers,  
Rolling-Shutter Modelling for Visual-Inertial Odometry,  

[C4] L. von Stumberg, V. Usenko and D. Cremers,  
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[C5] X. Gao, R. Wang, N. Demmel and D. Cremers,  
LDSO: Direct Sparse Odometry with Loop Closure,  

[C6] N. Yang, R. Wang, J. Stueckler and D. Cremers,  
Deep Virtual Stereo Odometry: Leveraging Deep Depth Prediction for Monocular Direct Sparse Odometry,  
Keywords: Dso

List of Publications

[C7] D. Schubert, N. Demmel, V. Usenko, J. Stueckler and D. Cremers,
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European Conference on Computer Vision (ECCV), September 2018, Oral Presentation.

[C8] R. Wang, M. Schwörer and D. Cremers,
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[C9] J. Engel, V. Usenko and D. Cremers,
A Photometrically Calibrated Benchmark For Monocular Visual Odometry,

[C10] J. Engel, V. Koltun and D. Cremers,
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