Journal Articles

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

[J2] F. Endres, J. Hess, J. Sturm, D. Cremers and W. Burgard,
3D Mapping with an RGB-D Camera,

[J3] Liu, Z., Beetz, M., Cremers, D., Gall, J., Li, W., Pangercic, D., Sturm, J., Tai and Y.-W.,
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[J4] S. Chitta, J. Sturm, M. Piccoli and W. Burgard,
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[J5] J. Sturm, C. Stachniss and W. Burgard,
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[J6] J. Sturm, C. Plagemann and W. Burgard,
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[B1] J. Sturm,
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[BC1] Sturm, J., Plagemann, C., Burgard and W.,
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De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using Plane Priors,
[C2] F. Steinbruecker, J. Sturm and D. Cremers,  
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[C3] H. Alvarez, L.M. Paz, J. Sturm and D. Cremers,  
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[C4] R. Maier, J. Sturm and D. Cremers,  
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[C5] O. Dunkley, J. Engel, J. Sturm and D. Cremers,  
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[C6] D. Bender, M. Schikora, J. Sturm and D. Cremers,  
INS-Camera Calibration without Ground Control Points,  
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[C7] C. Kerl, M. Souiai, J. Sturm and D. Cremers,  
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[C8] C. Kerl, J. Sturm and D. Cremers,  
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[C9] E. Bylow, J. Sturm, C. Kerl, F. Kahl and D. Cremers,  
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Direct Camera Pose Tracking and Mapping With Signed Distance Functions,  
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Author: J. Sturm

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[C15] J. Sturm, E. Bylow, F. Kahl and D. Cremers,
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*Unmanned Aerial Vehicle in Geomatics (UAV-g)*, Rostock, Germany, September 2013.

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[C22] T. Ruehr, J. Sturm, D. Pangercic, M. Beetz and D. Cremers,
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[C23] L. Zhang, J. Sturm, D. Cremers and D. Lee,
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[C35] S. Chitta, M. Piccoli and J. Sturm,
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[C49] A. Visser, P. van Rossum, J. Westra, J. Sturm, D. A. van Soest and M. de Greef, 
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[C50] N. Wijngaards, F. Dignum, P. Jonker, T. de Ridder, A. Visser, S. Leijnen and J. Sturm, 
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[PhD1] J. Sturm, 
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University of Freiburg, Germany, May 2011, Received the Artificial Intelligence Dissertation Award 2011 (ECCAI) and the Wolfgang-Genter-Award 2011 (University of Freiburg); Finalist at the Georges-Giralt-Award 2012 (EURON); Selected for the Best Paper Track at IJCAI 2013.

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An appearance-based Visual Compass for Mobile Robots, 
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