Learning Kinematic Models of Articulated Objects

[1] J. Sturm, 
Approaches to Probabilistic Model Learning for Mobile Manipulation Robots, 
Springer 2013.

A Probabilistic Framework for Learning Kinematic Models of Articulated Objects, 
Journal on Artificial Intelligence Research (JAIR), 41: 477-626, August 2011.

[3] J. Sturm, Approaches to Probabilistic Model Learning for Mobile Manipulation Robots, 
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.

3D Pose Estimation, Tracking and Model Learning of Articulated Objects from Dense Depth Video using Projected Texture Stereo, 

Operating Articulated Objects Based on Experience, 

Towards Understanding Articulated Objects, 

Learning Kinematic Models for Articulated Objects, 
Proc. of the International Joint Conference on Artificial Intelligence (IJCAI), July 2009.