September 26, 2018	Accurate and noise insensitive strain mapping enables ultrasound analysis of cardiac function in three dimensions	Quantifying dynamic strain fields from time-resolved volumetric medical imaging and microscopy stacks is a pressing need for radiology and mechanobiol
January 01, 2018	Evaluation of a commercial multi-dimensional echocardiography technique for ventricular volumetry in small animals	The assessment of ventricular volumes using conventional echocardiography methods is limited with regards to the need of geometrical assumptions.
January 01, 2018	4D cardiac magnetic resonance imaging, 4D and 2D transthoracic echocardiography: a comparison of in-vivo assessment of ventricular function in rats	Preclinical cardiovascular research is the foundation of our understanding and broad knowledge of heart function and cardiovascular disease.
December 01, 2017	High-Frequency 4-Dimensional Ultrasound (4DUS): A Reliable Method for Assessing Murine Cardiac Function	In vivo imaging has provided a unique framework for studying pathological progression in various mouse models of cardiac disease.