January 01, 2019	Three-dimensional myocardial strain correlates with murine left ventricular remodelling severity post-infarction	Heart failure continues to be a common and deadly sequela of myocardial infarction (MI).
July 01, 2019	Accuracy of Ultrasound-Guided versus Landmark-Guided Intra-articular Injection for Rat Knee Joints	Abstract—Our aim was to test the effectiveness of ultrasound-guided intra-articular (IA) injection into the knee joint of rodents by an inexperienced
July 01, 2019	Mitochondrial transplantation ameliorates acute limb ischemia	Objective: Acute limb ischemia (ALI), the most challenging form of ischemia-reperfusion injury (IRI) in skeletal muscle tissue, leads to decreased ske
June 01, 2019	PM2.5-induced ADRB2 hypermethylation contributed to cardiac dysfunction through cardiomyocytes apoptosis via PI3K/Akt pathway	Background: Long-term exposure to fine particulate matter (PM2.5) can causally contribute to progression of atherosclerosis, risk of ischemic heart di
April 22, 2019	Strain Mapping From Four-Dimensional Ultrasound Reveals Complex Remodeling in Dissecting Murine Abdominal Aortic Aneurysms	Current in vivo abdominal aortic aneurysm (AAA) imaging approaches tend to focus on maximum diameter but do not measure three-dimensional (3D) vascula
February 01, 2019	Deficiency of IL12p40 (Interleukin 12 p40) Promotes Ang II (Angiotensin II)–Induced Abdominal Aortic Aneurysm	Objective—Abdominal aortic aneurysm is caused by the accumulation of inflammatory cells in the aortic wall.
January 01, 2019	PKG1-modified TSC2 regulates mTORC1 activity to counter adverse cardiac stress	The mechanistic target of rapamycin complex-1 (mTORC1) coordinates regulation of growth, metabolism, protein synthesis and autophagy1.
January 01, 2018	Comparative determination of placental perfusion by magnetic resonance imaging and contrast-enhanced ultrasound in a murine model of intrauterine growth restriction	Introduction: Exploration of placental perfusion is essential in screening for dysfunctions impairing fetal growth.
January 01, 2018	Immune response mediates cardiac dysfunction after traumatic brain injury	Cardiovascular complications are common after TBI and are associated with increased morbidity and mortality.

January 01, 2018	A preclinical ultrasound method for the assessment of vascular disease progression in murine models	Introduction: The efficacy of preclinical ultrasound at providing a quantitative assessment of mouse models of vascular disease is relatively unknown.
January 01, 2018	Size-dependent Tumor Response to Photodynamic Therapy and Irinotecan Monotherapies Revealed by Longitudinal Ultrasound Monitoring in an Orthotopic Pancreatic Cancer Model	Longitudinal monitoring of tumor size in vivo can provide important biological information about disease progression and treatment efficacy that is no
January 01, 2018	Optimal range of injection rates for a lymphatic drug delivery system	The lymphatic drug delivery system (LDDS) is a new technique that permits the injection of drugs into a sentinel lymph node (SLN) at an early stage of
January 01, 2018	Multitarget Effects of Danqi Pill on Global Gene Expression Changes in Myocardial Ischemia	Danqi pill (DQP) is a widely prescribed traditional Chinese medicine (TCM) in the treatment of cardiovascular diseases.
February 01, 2017	Endothelial Nox4-based NADPH oxidase regulates atherosclerosis via soluble epoxide hydrolase	Nox4-based NADPH oxidase is a major reactive oxygen species-generating enzyme in the vasculature, but its role in atherosclerosis remains controversia
January 01, 2016	Activation of E-prostanoid 3 receptor in macrophages facilitates cardiac healing after myocardial infarction	Two distinct monocyte (Mo)/macrophage (Mp) subsets (Ly6Clow and Ly6Chigh) orchestrate cardiac recovery process following myocardial infarction (MI).
January 01, 2016	Association of serum HMGB2 level with MACE at 1 mo of myocardial infarction: Aggravation of myocardial ischemic injury in rats by HMGB2 via ROS	High-mobility group box (HMGB) family is related to inflammatory diseases.
January 01, 2016	Stretching reduces skin thickness and improves subcutaneous tissue mobility in a murine model of systemic sclerosis	OBJECTIVE Although physical therapy can help preserve mobility in patients with systemic sclerosis (SSc), stretching has not been used systematically

January 01, 2016	Decreased WNT/β-catenin signalling contributes to the pathogenesis of dilated cardiomyopathy caused by mutations in the lamin a/C gene	Cardiomyopathy caused by lamin A/C gene (LMNA) mutations (hereafter referred as LMNA cardiomyopathy) is characterized by cardiac conduction abnormalit
January 01, 2016	Astragalus Granule Prevents Ca 2 + Current Remodeling in Heart Failure by the Downregulation of CaMKII	Background. Astragalus was broadly used for treating heart failure (HF) and arrhythmias in East Asia for thousands of years.
January 01, 2016	MicroRNA-378 enhances radiation response in ectopic and orthotopic implantation models of glioblastoma	Glioblastoma multiforme (GBM) is the most common and highly malignant primary brain tumor, which is virtually incurable due to its therapeutic resista
January 01, 2016	A New Murine Model of Chronic Kidney Disease-Mineral and Bone Disorder	Chronic kidney disease (CKD) is associated with mineral and bone disorder (MBD), which is the main cause of the extensively increased cardiovascular m
January 01, 2016	Effects of Total Flavone from Rhododendron simsii Planch. Flower on Postischemic Cardiac Dysfunction and Cardiac Remodeling in Rats	This study investigated the effect of total flavone from Rhododendron simsii Planch.
November 01, 2016	Local checkpoint inhibition of CTLA-4 as a monotherapy or in combination with anti-PD1 prevents the growth of murine bladder cancer	ABSTRACT Checkpoint blockade of CTLA-4 results in long-lasting survival benefits in metastatic cancer patients.
January 01, 2014	Evaluation of utero-placental and fetal hemodynamic parameters throughout gestation in pregnant mice using high-frequency ultrasound	Throughout gestation, changes in maternal and fetal Doppler parameters in pregnant mice, similar to those obtained in human fetuses, were detected usi