# Keith A Youker

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 106 papers | 8,426 citations | 61984 43 h-index | 49909 87 g-index |
| 110 all docs | 110 docs citations | 110 times ranked | 8360 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Intramyocardial lipid accumulation in the failing human heart resembles the lipotoxic rat heart. FASEB Journal, 2004, 18, 1692-1700. | 0.5 | 673 |
| 2 | Organ-specific regulation of pro-inflammatory molecules in heart, lung, and kidney following brain death. Journal of Surgical Research, 2005, 123, 118-125. | 1.6 | 581 |
| 3 | Resident Cardiac Mast Cells Degranulate and Release Preformed TNF-Î±, Initiating the Cytokine Cascade in Experimental Canine Myocardial Ischemia/Reperfusion. Circulation, 1998, 98, 699-710. | 1.6 | 459 |
| 4 | Angiotensin II Blockade Reverses Myocardial Fibrosis in a Transgenic Mouse Model of Human Hypertrophic Cardiomyopathy. Circulation, 2001, 103, 789-791. | 1.6 | 352 |
| 5 | Cardiac Myocytes Produce Interleukin-6 in Culture and in Viable Border Zone of Reperfused Infarctions. Circulation, 1999, 99, 546-551. | 1.6 | 302 |
| 6 | Reciprocal Regulation of Myocardial microRNAs and Messenger RNA in Human Cardiomyopathy and Reversal of the microRNA Signature by Biomechanical Support. Circulation, 2009, 119, 1263-1271. | 1.6 | 292 |
| 7 | Neutrophil induced oxidative injury of cardiac myocytes. A compartmented system requiring CD11b/CD18-ICAM-1 adherence.. Journal of Clinical Investigation, 1992, 90, 1335-1345. | 8.2 | 273 |
| 8 | Impaired Long-Chain Fatty Acid Oxidation and Contractile Dysfunction in the Obese Zucker Rat Heart. Diabetes, 2002, 51, 2587-2595. | 0.6 | 263 |
| 9 | Telomerase reverse transcriptase promotes cardiac muscle cell proliferation, hypertrophy, and survival. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 10308-10313. | 7.1 | 260 |
| 10 | Induction of Interleukin-6 Synthesis in the Myocardium. Circulation, 1995, 92, 1866-1875. | 1.6 | 250 |
| 11 | Decreased Expression of Tumor Necrosis Factor-Î± in Failing Human Myocardium After Mechanical Circulatory Support. Circulation, 1999, 100, 1189-1193. | 1.6 | 248 |
| 12 | Regulation of intercellular adhesion molecule-1 (ICAM-1) in ischemic and reperfused canine myocardium.. Journal of Clinical Investigation, 1993, 92, 1504-1516. | 8.2 | 213 |
| 13 | Free Fatty Acids Inhibit Insulin Signaling-Stimulated Endothelial Nitric Oxide Synthase Activation Through Upregulating PTEN or Inhibiting Akt Kinase. Diabetes, 2006, 55, 2301-2310. | 0.6 | 210 |
| 14 | Neutrophil adherence to isolated adult canine myocytes. Evidence for a CD18-dependent mechanism.. Journal of Clinical Investigation, 1990, 85, 1497-1506. | 8.2 | 207 |
| 15 | Complement C5a, TGF-Î²1, and MCP-1, in Sequence, Induce Migration of Monocytes Into Ischemic Canine Myocardium Within the First One to Five Hours After Reperfusion. Circulation, 1997, 95, 684-692. | 1.6 | 188 |
| 16 | Regression of fibrosis and hypertrophy in failing myocardium following mechanical circulatory support. Journal of Heart and Lung Transplantation, 2001, 20, 457-464. | 0.6 | 187 |
| 17 | Neutrophil adherence to isolated adult cardiac myocytes. Induction by cardiac lymph collected during ischemia and reperfusion.. Journal of Clinical Investigation, 1992, 89, 602-609. | 8.2 | 184 |
| 18 | Coronary Microembolization: the Role of TNF- Î± in Contractile Dysfunction. Journal of Molecular and Cellular Cardiology, 2002, 34, 51-62. | 1.9 | 176 |

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|---|---|---|---|
| 19 | Telomere attrition and Chk2 activation in human heart failure. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5378-5383. | 7.1 | 171 |
| 20 | A transgenic rabbit model for human hypertrophic cardiomyopathy. Journal of Clinical Investigation, 1999, 104, 1683-1692. | 8.2 | 171 |
| 21 | Cytokines and the Microcirculation in Ischemia and Reperfusion. Journal of Molecular and Cellular Cardiology, 1998, 30, 2567-2576. | 1.9 | 168 |
| 22 | Adherence of neutrophils to canine cardiac myocytes in vitro is dependent on intercellular adhesion molecule-1.. Journal of Clinical Investigation, 1991, 88, 1216-1223. | 8.2 | 150 |
| 23 | Induction of Monocyte Chemoattractant Protein-1 in the Small Veins of the Ischemic and Reperfused Canine Myocardium. Circulation, 1997, 95, 693-700. | 1.6 | 147 |
| 24 | Activation of cardiac Cdk9 represses PGC-1 and confers a predisposition to heart failure. EMBO Journal, 2004, 23, 3559-3569. | 7.8 | 145 |
| 25 | MicroRNA-9 inhibits hyperglycemia-induced pyroptosis in human ventricular cardiomyocytes by targeting ELAVL1. Biochemical and Biophysical Research Communications, 2016, 471, 423-429. | 2.1 | 113 |
| 26 | Rad GTPase Deficiency Leads to Cardiac Hypertrophy. Circulation, 2007, 116, 2976-2983. | 1.6 | 105 |
| 27 | Molecular evidence for induction of intracellular adhesion molecule-1 in the viable border zone associated with ischemia-reperfusion injury of the dog heart.. Circulation, 1994, 89, 2736-2746. | 1.6 | 83 |
| 28 | Degree of cardiac fibrosis and hypertrophy at time of implantation predicts myocardial improvement during left ventricular assist device support. Journal of Heart and Lung Transplantation, 2004, 23, 36-42. | 0.6 | 76 |
| 29 | Reversal of secondary pulmonary hypertension by axial and pulsatile mechanical circulatory support. Journal of Heart and Lung Transplantation, 2010, 29, 195-200. | 0.6 | 76 |
| 30 | Mechanical Unloading Promotes Myocardial Energy Recovery in Human Heart Failure. Circulation: Cardiovascular Genetics, 2014, 7, 266-276. | 5.1 | 76 |
| 31 | Inhibitory Cardiac Transcription Factor, SRF-N, Is Generated by Caspase 3 Cleavage in Human Heart Failure and Attenuated by Ventricular Unloading. Circulation, 2003, 108, 407-413. | 1.6 | 74 |
| 32 | MicroRNA-126 overexpression rescues diabetes-induced impairment in efferocytosis of apoptotic cardiomyocytes. Scientific Reports, 2016, 6, 36207. | 3.3 | 67 |
| 33 | Full Expression of Cardiomyopathy Is Partly Dependent on Bâ€Cells: AÂPathway That Involves Cytokine Activation, Immunoglobulin Deposition, and Activation of Apoptosis. Journal of the American Heart Association, 2016, 5, . | 3.7 | 67 |
| 34 | Cardiolipin-protein complexes and initiation of complement activation after coronary artery occlusion.. Circulation Research, 1994, 75, 546-555. | 4.5 | 63 |
| 35 | Role of early reperfusion in the induction of adhesion molecules and cytokines in previously ischemic myocardium. Molecular and Cellular Biochemistry, 1995, 147, 5-12. | 3.1 | 63 |
| 36 | Enhanced Cardiac Regenerative Ability of Stem Cells After Ischemia-Reperfusion Injury. Journal of the American College of Cardiology, 2015, 66, 2214-2226. | 2.8 | 60 |

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|---|---|---|---|
| 37 | The implications for cardiac recovery of left ventricular assist device support on myocardial collagen content. American Journal of Surgery, 2000, 180, 498-502. | 1.8 | 56 |
| 38 | Role of mast cells and their mediators in failing myocardium under mechanical ventricular support. Journal of Heart and Lung Transplantation, 2004, 23, 709-715. | 0.6 | 56 |
| 39 | Plasma neurohormone levels correlate with left ventricular functional and morphological improvement in LVAD patients1. Journal of Surgical Research, 2005, 123, 25-32. | 1.6 | 56 |
| 40 | Regulation of ICAM-1 and IL-6 in Myocardial Ischemia: Effect of Reperfusion a. Annals of the New York Academy of Sciences, 1994, 723, 258-270. | 3.8 | 55 |
| 41 | Inhibition of hyaluronan synthesis attenuates pulmonary hypertension associated with lung fibrosis. British Journal of Pharmacology, 2017, 174, 3284-3301. | 5.4 | 52 |
| 42 | Decorin-mediated Transforming Growth Factor-Î² Inhibition Ameliorates Adverse Cardiac Remodeling. Journal of Heart and Lung Transplantation, 2007, 26, 34-40. | 0.6 | 51 |
| 43 | Freshly isolated mitochondria from failing human hearts exhibit preserved respiratory function. Journal of Molecular and Cellular Cardiology, 2014, 68, 98-105. | 1.9 | 49 |
| 44 | AIBP Limits Angiogenesis Through Î³-Secretase-Mediated Upregulation of Notch Signaling. Circulation Research, 2017, 120, 1727-1739. | 4.5 | 49 |
| 45 | High proportion of patients with end-stage heart failure regardless of aetiology demonstrates anti-cardiac antibody deposition in failing myocardium: humoral activation, a potential contributor of disease progression. European Heart Journal, 2014, 35, 1061-1068. | 2.2 | 41 |
| 46 | Rnd3/RhoE Modulates Hypoxia-Inducible Factor 1Î±/Vascular Endothelial Growth Factor Signaling by Stabilizing Hypoxia-Inducible Factor 1Î± and Regulates Responsive Cardiac Angiogenesis. Hypertension, 2016, 67, 597-605. | 2.7 | 40 |
| 47 | Revascularization and ventricular restoration in patients with ischemic heart failure: the STICH trial. Current Opinion in Cardiology, 2003, 18, 454-457. | 1.8 | 38 |
| 48 | Fibronectin fragments modulate monocyte VLA-5 expression and monocyte migration. Journal of Clinical Investigation, 1999, 104, 419-430. | 8.2 | 38 |
| 49 | Mechanical unloading of the heart activates the calpain system. Journal of Molecular and Cellular Cardiology, 2007, 42, 449-452. | 1.9 | 36 |
| 50 | Mechanical Unloading of the Failing Human Heart Fails to Activate the Protein Kinase B/Akt/Glycogen Synthase Kinase-3Î² Survival Pathway. Cardiology, 2003, 100, 17-22. | 1.4 | 33 |
| 51 | Molecular and Cellular Correlates of Cardiac Function in End-Stage DCM. JACC: Cardiovascular Imaging, 2014, 7, 441-452. | 5.3 | 32 |
| 52 | Inducible Lung Epithelial Resistance Requires Multisource Reactive Oxygen Species Generation To Protect against Viral Infections. MBio, 2018, 9, . | 4.1 | 32 |
| 53 | Unsaturated aminophospholipids are preferentially retained by the fast skeletal muscle CaATPase during detergent solubilization. Archives of Biochemistry and Biophysics, 1991, 286, 346-352. | 3.0 | 31 |
| 54 | A specifically designed nanoconstruct associates, internalizes, traffics in cardiovascular cells, and accumulates in failing myocardium: a new strategy for heart failure diagnostics and therapeutics. European Journal of Heart Failure, 2016, 18, 169-178. | 7.1 | 31 |

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|---|---|---|---|
| 55 | Rapamycin nanoparticles localize in diseased lung vasculature and prevent pulmonary arterial hypertension. International Journal of Pharmaceutics, 2017, 524, 257-267. | 5.2 | 31 |
| 56 | The Use of Continuous Milrinone Therapy as Bridge to Transplant Is Safe in Patients With Short Waiting Times. Journal of Cardiac Failure, 2008, 14, 839-843. | 1.7 | 27 |
| 57 | Somatostatin receptor gene transfer inhibits established pancreatic cancer xenografts. Journal of Surgical Research, 2003, 115, 41-47. | 1.6 | 26 |
| 58 | Decreased Left Ventricular Ejection Fraction in Transgenic Mice Expressing Mutant Cardiac Troponin T-Q92, Responsible for Human Hypertrophic Cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2000, 32, 365-374. | 1.9 | 25 |
| 59 | The Role of B-Cells in Heart Failure. Methodist DeBakey Cardiovascular Journal, 2021, 9, 15. | 1.0 | 25 |
| 60 | Mast Cell-Derived Cathepsin g: A Possible Role in The Adverse Remodeling of The Failing Human Heart. Journal of Surgical Research, 2007, 140, 199-203. | 1.6 | 24 |
| 61 | Cellular Evidence of Reverse Cardiac Remodeling Induced by Cardiac Resynchronization Therapy. Congestive Heart Failure, 2011, 17, 140-146. | 2.0 | 22 |
| 62 | Combination of angiotensin II and l-NG-nitroarginine methyl ester exacerbates mitochondrial dysfunction and oxidative stress to cause heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H667-H680. | 3.2 | 22 |
| 63 | Localizing and Quantifying Ablation Lesions in the Left Ventricle by Myocardial Contrast Echocardiography. Journal of Cardiovascular Electrophysiology, 2004, 15, 1078-1087. | 1.7 | 21 |
| 64 | Therapeutic plasma exchange a potential strategy for patients with advanced heart failure. Journal of Clinical Apheresis, 2010, 25, 323-330. | 1.3 | 21 |
| 65 | Quantitative Changes in Mast Cell Populations After Left Ventricular Assist Device Implantation. ASAIO Journal, 2005, 51, 275-280. | 1.6 | 19 |
| 66 | Lack of NF-ÎºB1 (p105/p50) attenuates unloading-induced downregulation of PPARÎ± and PPARÎ±-regulated gene expression in rodent heart. Cardiovascular Research, 2007, 74, 133-139. | 3.8 | 18 |
| 67 | Recurrent Device Thrombi During Mechanical Circulatory Support With an Axial-flow Pump Is a Treatable Condition and Does Not Preclude Successful Long-term Support. Journal of Heart and Lung Transplantation, 2007, 26, 200-203. | 0.6 | 18 |
| 68 | Time-Dependent Loss of Mac-1 from Infiltrating Neutrophils in the Reperfused Myocardium. Journal of Immunology, 2000, 164, 2752-2758. | 0.8 | 17 |
| 69 | Increased Expression of Stem Cell Factor and Its Receptor After Left Ventricular Assist Device Support: A Potential Novel Target for Therapeutic Interventions in Heart Failure. Journal of Heart and Lung Transplantation, 2008, 27, 701-709. | 0.6 | 16 |
| 70 | The Role of Mast Cells After Solid Organ Transplantation. Transplantation, 2008, 85, 1365-1371. | 1.0 | 16 |
| 71 | Interaction between isolated human myocardial mast cells and cultured fibroblasts1. Journal of Surgical Research, 2004, 118, 66-70. | 1.6 | 13 |
| 72 | Functionally redundant control of cardiac hypertrophic signaling by inositol 1,4,5-trisphosphate receptors. Journal of Molecular and Cellular Cardiology, 2017, 112, 95-103. | 1.9 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Small molecule disruption of G protein Î²Î³ subunit signaling reprograms human macrophage phenotype and prevents autoimmune myocarditis in rats. PLoS ONE, 2018, 13, e0200697. | 2.5 | 11 |
| 74 | Phagocytes in Ischemia Injury. Annals of the New York Academy of Sciences, 1997, 832, 243-265. | 3.8 | 9 |
| 75 | Mast cell burden and reticulin fibrosis in the myeloproliferative neoplasms: A computer-assisted image analysis study. Pathology Research and Practice, 2009, 205, 634-638. | 2.3 | 9 |
| 76 | Molecular, Cellular, and Functional Characterization of Myocardial Regions in Hypertrophic Cardiomyopathy. Circulation: Cardiovascular Imaging, 2012, 5, 419-422. | 2.6 | 8 |
| 77 | Differential Mitochondrial Function in Remodeled Right and Nonremodeled Left Ventricles in Pulmonary Hypertension. Journal of Cardiac Failure, 2016, 22, 73-81. | 1.7 | 8 |
| 78 | Apicoaortic conduit in a patient with severe hemolysis after three aortic valve replacements. Journal of Thoracic and Cardiovascular Surgery, 2004, 127, 270-272. | 0.8 | 6 |
| 79 | Placement of a left ventricular assist device in a patient with dextrocardia. Journal of Heart and Lung Transplantation, 2005, 24, 338-339. | 0.6 | 6 |
| 80 | Standardized extracts from black bean coats (Phaseolus vulgaris L.) prevent adverse cardiac remodeling in a murine model of non-ischemic cardiomyopathy. RSC Advances, 2015, 5, 90858-90865. | 3.6 | 6 |
| 81 | Fluorescence imaging microscopy of cellular markers in ischemic vs non-ischemic cardiomyopathy after left ventricular unloading. Journal of Heart and Lung Transplantation, 2005, 24, 454-461. | 0.6 | 5 |
| 82 | Efficacy of sustained delivery of GC-1 from a Nanofluidic system in a spontaneously obese non-human primate: a case study. Biomedical Microdevices, 2018, 20, 49. | 2.8 | 5 |
| 83 | Mitochondrial Hyperacetylation Contributes with Ventricular Dysfunction as Consequence of SIRT3 Deficiency in Obesity and Metabolic Syndrome. Journal of Cardiac Failure, 2017, 23, S39. | 1.7 | 2 |
| 84 | Vulnerable Atherosclerotic Plaque Imaging by Smallâ€Molecule Highâ€Affinity Positron Emission Tomography Radiopharmaceutical. Advanced Therapeutics, 2019, 2, 1900005. | 3.2 | 2 |
| 85 | STK35 Gene Therapy Attenuates Endothelial Dysfunction and Improves Cardiac Function in Diabetes. Frontiers in Cardiovascular Medicine, 2021, 8, 798091. | 2.4 | 2 |
| 86 | Endothelial Dysfunction-related Neurological Bleeds with Continuous Flow-Left Ventricular Assist Devices Measured by Digital Thermal Monitor. ASAIO Journal, 2021, 67, 561-566. | 1.6 | 1 |
| 87 | RNA polymerase II C-terminal domain kinases in heart failure. Journal of Cardiac Failure, 2003, 9, S4. | 1.7 | 0 |
| 88 | Reversal of cardiac fibrosis following LVAD implantation: the cardiac mast cell. Journal of Cardiac Failure, 2003, 9, S7. | 1.7 | 0 |
| 89 | The Role of Inflammation in Cardiac Function and Repair. Progress in Experimental Cardiology, 2003, , 19-28. | 0.0 | 0 |
| 90 | Atrioventricular fibrous ring disruption promotes ventricular preexcitation in a mouse model of Wolff-Parkinson-white syndrome. Heart Rhythm, 2005, 2, S71. | 0.7 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Myocardial Contrast Echocardiography of Radiofrequency Ablation Lesions. , 2006, Suppl, 6689-92. | | 0 |
| 92 | Characterization of a Non-Surgical Mouse Model of Acute Non-Ischemic Cardiomyopathy. Journal of Cardiac Failure, 2009, 15, S22-S23. | 1.7 | 0 |
| 93 | Heart Failure Research: Translating Basic Science Into Therapies. Methodist DeBakey Cardiovascular Journal, 2009, 5, 38-41. | 1.0 | 0 |
| 94 | Mitochondrial Respiratory Capacity in Diabetic Heart Failure Patients. Journal of Cardiac Failure, 2010, 16, S37. | 1.7 | 0 |
| 95 | Intact T and B Cell Responses Are Required for Full Expression of Acute Non-Ischemic Cardiomyopathy. Journal of Cardiac Failure, 2011, 17, S2. | 1.7 | 0 |
| 96 | Full Expression of Acute Non-Ischemic Cardiomyopathy in a Murine Model is Dependent on Intact B Cell Function. Journal of Cardiac Failure, 2012, 18, S2. | 1.7 | 0 |
| 97 | B-Cell Reconstitution in a SCID Mouse Restores CMP Phenotype. Journal of Cardiac Failure, 2013, 19, S52. | 1.7 | 0 |
| 98 | Early Changes of Allograft Mass as Evidenced by Cardiac Magnetic Resonance (CMR) Imaging Technique in a Cohort of Post Heart Transplant Patients in the Current Era of Immunosuppression. Journal of Cardiac Failure, 2014, 20, S76-S77. | 1.7 | 0 |
| 99 | Serum Concentrations of Heme Oxigenase-1 are Reduced in Patients with Acute Heart Failure and Preserved Ejection Fraction. Journal of Cardiac Failure, 2015, 21, S29. | 1.7 | 0 |
| 100 | Temporal Assessment of Endothelial to Mesenchymal Transition as a Contributor to Fibrosis in a Mouse Model of Heart Failure. Journal of Cardiac Failure, 2015, 21, S2. | 1.7 | 0 |
| 101 | Evidence of Endothelial to Mesenchymal Transition (EndMT) in the Clinically Non-Failing Left Ventricles (CNFL). Journal of Cardiac Failure, 2016, 22, S85-S86. | 1.7 | 0 |
| 102 | Aging in Heart Transplant: Gene Expression and Molecular Mechanisms. Journal of Cardiac Failure, 2016, 22, S84. | 1.7 | 0 |
| 103 | Genetic Determinants of Allograft Hypertrophy- A Human Myocardial Biopsy Study. Journal of Cardiac Failure, 2019, 25, S110. | 1.7 | 0 |
| 104 | Yamanaka Factors as Drivers of Recovery in a Mouse Model of Heart Failure. Journal of Cardiac Failure, 2019, 25, S112. | 1.7 | 0 |
| 105 | Endothelial to Mesenchymal Transition and the Reverse Contributes to Heart Failure and Recovery Thereafter. Journal of Cardiac Failure, 2020, 26, S98. | 1.7 | 0 |
| 106 | Myocardial reperfusion: A State of Inflammation. , 2001, , 93-101. | | 0 |