

# Merry L Lindsey

## List of Publications by Year in descending order

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Version: 2024-02-01

278  
papers

14,438  
citations

16437

64  
h-index

24961

109  
g-index

281  
all docs

281  
docs citations

281  
times ranked

15410  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | S100A9 is a functional effector of infarct wall thinning after myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H145-H155.   | 1.5 | 11        |
| 2  | Faster skin wound healing predicts survival after myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H537-H548.  | 1.5 | 7         |
| 3  | Macrophages secrete murinoglobulin-1 and galectin-3 to regulate neutrophil degranulation after myocardial infarction. Molecular Omics, 2022, 18, 186-195.  | 1.4 | 9         |
| 4  | Metabolic Transformation of Fat in Obesity Determines the Inflammation Resolving Capacity of Splenocardiac and Cardiorenal Networks in Heart Failure. American Journal of Physiology - Heart and Circulatory Physiology, 2022, , . | 1.5 | 5         |
| 5  | Faster skin wound healing predicts survival after myocardial infarction. FASEB Journal, 2022, 36, .  | 0.2 | 0         |
| 6  | Cardiac Fibroblasts Secrete Galectin-1 After Myocardial Infarction to Communicate With Macrophages. FASEB Journal, 2022, 36, .   | 0.2 | 0         |
| 7  | MMP-12 polarizes neutrophil signalome towards an apoptotic signature. Journal of Proteomics, 2022, 264, 104636.  | 1.2 | 4         |
| 8  | Neutrophil signaling during myocardial infarction wound repair. Cellular Signalling, 2021, 77, 109816.   | 1.7 | 44        |
| 9  | CD4 <sup>+</sup> T Cell-Specific Proteomic Pathways Identified in Progression of Hypertension Across Postmenopausal Transition. Journal of the American Heart Association, 2021, 10, e018038.                                      | 1.6 | 8         |
| 10 | Network Analysis Reveals a Distinct Axis of Macrophage Activation in Response to Conflicting Inflammatory Cues. Journal of Immunology, 2021, 206, 883-891.   | 0.4 | 26        |
| 11 | Infarct in the Heart: What's MMP-9 Got to Do with It?. Biomolecules, 2021, 11, 491.  | 1.8 | 37        |
| 12 | Transient ACE (Angiotensin-Converting Enzyme) Inhibition Suppresses Future Fibrogenic Capacity and Heterogeneity of Cardiac Fibroblast Subpopulations. Hypertension, 2021, 77, 904-918.  | 1.3 | 13        |
| 13 | Dysbiosis and Intestinal Barrier Dysfunction in Pediatric Congenital Heart Disease Is Exacerbated Following Cardiopulmonary Bypass. JACC Basic To Translational Science, 2021, 6, 311-327.   | 1.9 | 18        |
| 14 | We are the change we seek. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1411-H1414.  | 1.5 | 4         |
| 15 | An American Physiological Society cross-journal Call for Papers on "Inter-Organ Communication in Homeostasis and Disease". American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L42-L49.            | 1.3 | 13        |
| 16 | Proteomics Reveals Neutrophil Markers of Infarct Wall Thinning. FASEB Journal, 2021, 35, .   | 0.2 | 0         |
| 17 | Reperused vs. nonreperused myocardial infarction: when to use which model. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H208-H213.  | 1.5 | 29        |
| 18 | Effect of genetic depletion of MMP-9 on neurological manifestations of hypertension-induced intracerebral hemorrhages in aged mice. GeroScience, 2021, 43, 2611-2619.  | 2.1 | 10        |

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|----|---|-----|-----------|
| 19 | The HEART Camp Exercise Intervention Improves Exercise Adherence, Physical Function, and Patient-Reported Outcomes in Adults With Preserved Ejection Fraction Heart Failure. <i>Journal of Cardiac Failure</i> , 2021, , .                                      | 0.7 | 6         |
| 20 | Reinforcing rigor and reproducibility expectations for use of sex and gender in cardiovascular research. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H819-H824.   | 1.5 | 49        |
| 21 | Chronic <i>Porphyromonas gingivalis</i> lipopolysaccharide induces adverse myocardial infarction wound healing through activation of CD8 <sup>+</sup> T cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H948-H962. | 1.5 | 15        |
| 22 | Guidelines for in vivo mouse models of myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H1056-H1073.  | 1.5 | 53        |
| 23 | Neutrophil crosstalk during cardiac wound healing after myocardial infarction. <i>Current Opinion in Physiology</i> , 2021, 24, 100485.   | 0.9 | 6         |
| 24 | Secrets of Cardiac Remodeling Revealed in the Secretome. <i>Circulation</i> , 2020, 141, 1645-1647.   | 1.6 | 0         |
| 25 | Using an Investigative Journalism Approach to Design Mechanistic Experiments in Physiology. <i>Physiology</i> , 2020, 35, 218-219.  | 1.6 | 0         |
| 26 | Exogenous IL-4 shuts off pro-inflammation in neutrophils while stimulating anti-inflammation in macrophages to induce neutrophil phagocytosis following myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 145, 112-121.        | 0.9 | 38        |
| 27 | Fibroblasts: The arbiters of extracellular matrix remodeling. <i>Matrix Biology</i> , 2020, 91-92, 1-7.   | 1.5 | 75        |
| 28 | Loss of <i>Arhgef11</i> in the Dahl Salt-Sensitive Rat Protects Against Hypertension-Induced Renal Injury. <i>Hypertension</i> , 2020, 75, 1012-1024.   | 1.3 | 15        |
| 29 | The compendium of matrix metalloproteinase expression in the left ventricle of mice following myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H706-H714.   | 1.5 | 16        |
| 30 | COVID-19 and cardiovascular disease: What we know, what we think we know, and what we need to know. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 144, 12-14.   | 0.9 | 7         |
| 31 | Focusing Heart Failure Research on Myocardial Fibrosis to Prioritize Translation. <i>Journal of Cardiac Failure</i> , 2020, 26, 876-884.  | 0.7 | 4         |
| 32 | Cardiac fibroblast activation during myocardial infarction wound healing. <i>Matrix Biology</i> , 2020, 91-92, 109-116.   | 1.5 | 61        |
| 33 | Exogenous IL-4 Promotes Myocardial Infarction Repair by Turning off Pro-Inflammation in Neutrophils while Stimulating Anti-Inflammation in Macrophages to Induce Neutrophil Phagocytosis. <i>FASEB Journal</i> , 2020, 34, 1-1.                                 | 0.2 | 0         |
| 34 | Extracellular matrix roles in cardiorenal fibrosis: Potential therapeutic targets for CVD and CKD in the elderly. , 2019, 193, 99-120.  |     | 28        |
| 35 | Neutrophil proteome shifts over the myocardial infarction time continuum. <i>Basic Research in Cardiology</i> , 2019, 114, 37.  | 2.5 | 78        |
| 36 | Somewhere over the sex differences rainbow of myocardial infarction remodeling: hormones, chromosomes, inflammasome, oh my. <i>Expert Review of Proteomics</i> , 2019, 16, 933-940.   | 1.3 | 8         |

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|----|---|-----|-----------|
| 37 | Towards better definition, quantification and treatment of fibrosis in heart failure. A scientific roadmap by the Committee of Translational Research of the Heart Failure Association (HFA) of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , 2019, 21, 272-285. | 2.9 | 182       |
| 38 | Common pathways and communication between the brain and heart: connecting post-traumatic stress disorder and heart failure. <i>Stress</i> , 2019, 22, 530-547.  | 0.8 | 22        |
| 39 | Menopause and FOXP3+ Treg cell depletion eliminate female protection against T cell-mediated angiotensin II hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H415-H423.  | 1.5 | 31        |
| 40 | Connecting the Dots for Connective Tissue Growth Factor Roles in Cardiac Wound Healing After Myocardial Infarction. <i>JACC Basic To Translational Science</i> , 2019, 4, 95-97.  | 1.9 | 0         |
| 41 | Exogenous CXCL4 infusion inhibits macrophage phagocytosis by limiting CD36 signalling to enhance post-myocardial infarction cardiac dilation and mortality. <i>Cardiovascular Research</i> , 2019, 115, 395-408.  | 1.8 | 36        |
| 42 | Identifying the molecular and cellular signature of cardiac dilation following myocardial infarction. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1845-1852.  | 1.8 | 6         |
| 43 | Using Peptidomics to Identify Extracellular Matrix-Derived Peptides as Novel Therapeutics for Cardiac Disease. <i>Molecular and Translational Medicine</i> , 2019, , 349-365.   | 0.4 | 0         |
| 44 | Matrix Metalloproteinase-9-Dependent Mechanisms of Reduced Contractility and Increased Stiffness in the Aging Heart. <i>Molecular and Translational Medicine</i> , 2019, , 335-347.   | 0.4 | 1         |
| 45 | Fibroblast polarization over the myocardial infarction time continuum shifts roles from inflammation to angiogenesis. <i>Basic Research in Cardiology</i> , 2019, 114, 6.   | 2.5 | 118       |
| 46 | Glycoproteomic Profiling Provides Candidate Myocardial Infarction Predictors of Later Progression to Heart Failure. <i>ACS Omega</i> , 2019, 4, 1272-1280.  | 1.6 | 10        |
| 47 | Understanding cardiac extracellular matrix remodeling to develop biomarkers of myocardial infarction outcomes. <i>Matrix Biology</i> , 2019, 75-76, 43-57.  | 1.5 | 106       |
| 48 | Understanding the mechanisms that determine extracellular matrix remodeling in the infarcted myocardium. <i>Biochemical Society Transactions</i> , 2019, 47, 1679-1687.   | 1.6 | 12        |
| 49 | Physiological Omics Identifies Mechanisms that Attenuate Renal Injury and Blood Pressure in Dahl salt-sensitive Arrhgef11 <sup>+/+</sup> Rats. <i>FASEB Journal</i> , 2019, 33, 571.1.  | 0.2 | 0         |
| 50 | Myocardial infarction-relevant MMP-12 interactions identified by correlation analysis. <i>FASEB Journal</i> , 2019, 33, 530.2.  | 0.2 | 0         |
| 51 | Mapping neutrophil polarization over the myocardial infarction time continuum. <i>FASEB Journal</i> , 2019, 33, 690.12.   | 0.2 | 0         |
| 52 | Physiological proteomics of heart failure. <i>Current Opinion in Physiology</i> , 2018, 1, 185-197.   | 0.9 | 1         |
| 53 | Proteomic analysis of the cardiac extracellular matrix: clinical research applications. <i>Expert Review of Proteomics</i> , 2018, 15, 105-112.   | 1.3 | 40        |
| 54 | Adding Reg3 $\beta$ to the acute coronary syndrome prognostic marker list. <i>International Journal of Cardiology</i> , 2018, 258, 24-25.   | 0.8 | 3         |

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|----|--|-----|-----------|
| 55 | Macrophage overexpression of matrix metalloproteinase-9 in aged mice improves diastolic physiology and cardiac wound healing after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H224-H235. | 1.5 | 37        |
| 56 | Cardiac macrophage biology in the steady-state heart, the aging heart, and following myocardial infarction. <i>Translational Research</i> , 2018, 191, 15-28.  | 2.2 | 275       |
| 57 | Exogenous CXCL4 Infusion Inhibits Macrophage Phagocytosis by Limiting CD36 Signaling to Enhance Post-myocardial Infarction Cardiac Dilatation. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 124, 101-102.                                   | 0.9 | 0         |
| 58 | Extracellular matrix in cardiovascular pathophysiology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1687-H1690.   | 1.5 | 18        |
| 59 | Guidelines for authors and reviewers on antibody use in physiology studies. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H724-H732.   | 1.5 | 68        |
| 60 | Death of an antioxidant brings heart failure with preserved ejection fraction to life: 5-oxoproline and post-ischaemic cardio-renal dysfunction. <i>Cardiovascular Research</i> , 2018, 114, 1819-1821.  | 1.8 | 4         |
| 61 | Matrix metalloproteinase-12 as an endogenous resolution promoting factor following myocardial infarction. <i>Pharmacological Research</i> , 2018, 137, 252-258.  | 3.1 | 14        |
| 62 | The Mouse Heart Attack Research Tool 1.0 database. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H522-H530.  | 1.5 | 14        |
| 63 | Guidelines for experimental models of myocardial ischemia and infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H812-H838.   | 1.5 | 372       |
| 64 | Statistical considerations in reporting cardiovascular research. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H303-H313.  | 1.5 | 58        |
| 65 | Myocardial infarction remodeling that progresses to heart failure: a signaling misunderstanding. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H71-H79.  | 1.5 | 61        |
| 66 | Guidelines for measuring cardiac physiology in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H733-H752.  | 1.5 | 220       |
| 67 | Assigning matrix metalloproteinase roles in ischaemic cardiac remodelling. <i>Nature Reviews Cardiology</i> , 2018, 15, 471-479.   | 6.1 | 87        |
| 68 | LXR/RXR signaling and neutrophil phenotype following myocardial infarction classify sex differences in remodeling. <i>Basic Research in Cardiology</i> , 2018, 113, 40.  | 2.5 | 86        |
| 69 | Mapping macrophage polarization over the myocardial infarction time continuum. <i>Basic Research in Cardiology</i> , 2018, 113, 26.  | 2.5 | 189       |
| 70 | Regulating macrophage infiltration to alter wound healing following myocardial infarction. <i>Cardiovascular Research</i> , 2018, 114, 1571-1572.  | 1.8 | 2         |
| 71 | The Mouse Heart Attack Research Tool (mHART) 1.0 Database. <i>FASEB Journal</i> , 2018, 32, 848.5.   | 0.2 | 0         |
| 72 | CD8 T cells have a biphasic role during post-myocardial infarction cardiac remodeling. <i>FASEB Journal</i> , 2018, 32, 718.5.   | 0.2 | 0         |

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|----|--|-----|-----------|
| 73 | Day 1 Post-Myocardial Infarction Cardiac Macrophage Transcriptomic Signatures that Link to LV Infarct Wall Thinning. <i>FASEB Journal</i> , 2018, 32, 717.11.  | 0.2 | 0         |
| 74 | Antiarrhythmic effects of interleukin 1 inhibition after myocardial infarction. <i>Heart Rhythm</i> , 2017, 14, 727-736.   | 0.3 | 61        |
| 75 | The impact of aging on cardiac extracellular matrix. <i>GeroScience</i> , 2017, 39, 7-18.  | 2.1 | 168       |
| 76 | Glucose regulates the intrinsic inflammatory response of the heart to surgically induced hypothermic ischemic arrest and reperfusion. <i>Physiological Genomics</i> , 2017, 49, 37-52.   | 1.0 | 7         |
| 77 | Transgenic overexpression of macrophage matrix metalloproteinase-9 exacerbates age-related cardiac hypertrophy, vessel rarefaction, inflammation, and fibrosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H375-H383. | 1.5 | 51        |
| 78 | Dentin Sialoprotein is a Novel Substrate of Matrix Metalloproteinase 9 in vitro and in vivo. <i>Scientific Reports</i> , 2017, 7, 42449.   | 1.6 | 15        |
| 79 | IL-10 improves cardiac remodeling after myocardial infarction by stimulating M2 macrophage polarization and fibroblast activation. <i>Basic Research in Cardiology</i> , 2017, 112, 33.  | 2.5 | 278       |
| 80 | Cardiac Fibroblast Activation Post-Myocardial Infarction: Current Knowledge Gaps. <i>Trends in Pharmacological Sciences</i> , 2017, 38, 448-458.   | 4.0 | 151       |
| 81 | The physics of an academic career. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2017, 41, 493-497.   | 0.8 | 2         |
| 82 | Elevated serum osteoprotegerin is associated with increased left ventricular mass index and myocardial stiffness. <i>Journal of Cardiovascular Medicine</i> , 2017, 18, 954-961.   | 0.6 | 10        |
| 83 | Why publish in the <i>American Journal of Physiology-Heart and Circulatory Physiology</i> ? <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H221-H223.   | 1.5 | 4         |
| 84 | Matrix Metalloproteinases in Myocardial Infarction and Heart Failure. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 147, 75-100.  | 0.9 | 188       |
| 85 | Matrix Metalloproteinases in Cardiovascular Diseases. , 2017, , 187-225.   |     | 3         |
| 86 | Periodontal-induced chronic inflammation triggers macrophage secretion of Ccl12 to inhibit fibroblast-mediated cardiac wound healing. <i>JCI Insight</i> , 2017, 2, .  | 2.3 | 55        |
| 87 | Increased ADAMTS1 mediates SPARC-dependent collagen deposition in the aging myocardium. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E1027-E1035.   | 1.8 | 40        |
| 88 | Defining the sham environment for post-myocardial infarction studies in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H822-H836.   | 1.5 | 27        |
| 89 | Crossing Into the Next Frontier of Cardiac Extracellular Matrix Research. <i>Circulation Research</i> , 2016, 119, 1040-1045.  | 2.0 | 50        |
| 90 | How to Design a Cardiovascular Proteomics Experiment. , 2016, , 33-57.   |     | 2         |

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|-----|---|-----|-----------|
| 91  | Synergizing Proteomic and Metabolomic Data to Study Cardiovascular Systems. , 2016, , 365-388.  |     | 0         |
| 92  | MMP-9 signaling in the left ventricle following myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H190-H198.   | 1.5 | 92        |
| 93  | Adapting extracellular matrix proteomics for clinical studies on cardiac remodeling post-myocardial infarction. Clinical Proteomics, 2016, 13, 19.  | 1.1 | 31        |
| 94  | Early matrix metalloproteinase-9 inhibition post-myocardial infarction worsens cardiac dysfunction by delaying inflammation resolution. Journal of Molecular and Cellular Cardiology, 2016, 100, 109-117.                       | 0.9 | 52        |
| 95  | Knowledge gaps to understanding cardiac macrophage polarization following myocardial infarction. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 2288-2292.   | 1.8 | 39        |
| 96  | Clinical and Translational Proteomics Focused on Tissue Damage, Repair, and Regeneration. Proteomics - Clinical Applications, 2016, 10, 6-7.  | 0.8 | 0         |
| 97  | Temporal neutrophil polarization following myocardial infarction. Cardiovascular Research, 2016, 110, 51-61.  | 1.8 | 253       |
| 98  | The crossroads of inflammation, fibrosis, and arrhythmia following myocardial infarction. Journal of Molecular and Cellular Cardiology, 2016, 91, 114-122.  | 0.9 | 181       |
| 99  | Matrix metalloproteinases as input and output signals for post-myocardial infarction remodeling. Journal of Molecular and Cellular Cardiology, 2016, 91, 134-140.   | 0.9 | 88        |
| 100 | CD36 Is a Matrix Metalloproteinase-9 Substrate That Stimulates Neutrophil Apoptosis and Removal During Cardiac Remodeling. Circulation: Cardiovascular Genetics, 2016, 9, 14-25.  | 5.1 | 78        |
| 101 | Myocardial Infarction Superimposed on Aging: MMP-9 Deletion Promotes M2 Macrophage Polarization. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 475-483.                                | 1.7 | 62        |
| 102 | Systems analysis of gene ontology and biological pathways involved in post-myocardial infarction responses. BMC Genomics, 2015, 16, S18.  | 1.2 | 9         |
| 103 | Plasma Glycoproteomics Reveals Sepsis Outcomes Linked to Distinct Proteins in Common Pathways*. Critical Care Medicine, 2015, 43, 2049-2058.  | 0.4 | 46        |
| 104 | Using the laws of thermodynamics to understand how matrix metalloproteinases coordinate the myocardial response to injury. Metalloproteinases in Medicine, 2015, 2, 75.   | 1.0 | 5         |
| 105 | Building a better infarct: Modulation of collagen cross-linking to increase infarct stiffness and reduce left ventricular dilation post-myocardial infarction. Journal of Molecular and Cellular Cardiology, 2015, 85, 229-239. | 0.9 | 59        |
| 106 | Osteopontin is proteolytically processed by matrix metalloproteinase 9. Canadian Journal of Physiology and Pharmacology, 2015, 93, 879-886.   | 0.7 | 46        |
| 107 | Cardiac aging: Send in the vinculin reinforcements. Science Translational Medicine, 2015, 7, 292fs26.   | 5.8 | 4         |
| 108 | Deriving a cardiac ageing signature to reveal MMP-9-dependent inflammatory signalling in senescence. Cardiovascular Research, 2015, 106, 421-431.   | 1.8 | 79        |

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|-----|---|-----|-----------|
| 109 | Syndecan-4: a novel regulator of collagen synthesis and deposition in the pressure-overloaded myocardium. <i>Cardiovascular Research</i> , 2015, 106, 178-179.  | 1.8 | 0         |
| 110 | Early matrix metalloproteinase-12 inhibition worsens post-myocardial infarction cardiac dysfunction by delaying inflammation resolution. <i>International Journal of Cardiology</i> , 2015, 185, 198-208.                             | 0.8 | 85        |
| 111 | Harnessing the Heart of Big Data. <i>Circulation Research</i> , 2015, 116, 1115-1119.   | 2.0 | 54        |
| 112 | Matrix Metalloproteinase 9 (MMP-9). , 2015, , 237-259.  |     | 1         |
| 113 | Secreted protein acidic and rich in cysteine facilitates age-related cardiac inflammation and macrophage M1 polarization. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C972-C982.                             | 2.1 | 46        |
| 114 | The circular relationship between matrix metalloproteinase-9 and inflammation following myocardial infarction. <i>IUBMB Life</i> , 2015, 67, 611-618.   | 1.5 | 38        |
| 115 | Tissue Inhibitor of Metalloproteinase-1: Actions beyond Matrix Metalloproteinase Inhibition. <i>Cardiology</i> , 2015, 132, 147-150.  | 0.6 | 13        |
| 116 | Transformative Impact of Proteomics on Cardiovascular Health and Disease. <i>Circulation</i> , 2015, 132, 852-872.  | 1.6 | 140       |
| 117 | A Novel Collagen Matricryptin Reduces Left Ventricular Dilation Post-Myocardial Infarction by Promoting Scar Formation and Angiogenesis. <i>Journal of the American College of Cardiology</i> , 2015, 66, 1364-1374.                  | 1.2 | 145       |
| 118 | Cross Talk Between Inflammation and Extracellular Matrix Following Myocardial Infarction. , 2015, , 67-79.  |     | 9         |
| 119 | Obesity superimposed on aging magnifies inflammation and delays the resolving response after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H269-H280.                  | 1.5 | 70        |
| 120 | Atherosclerosis exacerbates arrhythmia following myocardial infarction: Role of myocardial inflammation. <i>Heart Rhythm</i> , 2015, 12, 169-178.   | 0.3 | 67        |
| 121 | Translating Koch's Postulates to Identify Matrix Metalloproteinase Roles in Postmyocardial Infarction Remodeling. <i>Circulation Research</i> , 2014, 114, 860-871.   | 2.0 | 41        |
| 122 | Age and SPARC Change the Extracellular Matrix Composition of the Left Ventricle. <i>BioMed Research International</i> , 2014, 2014, 1-7.  | 0.9 | 39        |
| 123 | Integrative Computational and Experimental Approaches to Establish a Post-Myocardial Infarction Knowledge Map. <i>PLoS Computational Biology</i> , 2014, 10, e1003472.  | 1.5 | 10        |
| 124 | <i>Streptococcus pneumoniae</i> Translocates into the Myocardium and Forms Unique Microlesions That Disrupt Cardiac Function. <i>PLoS Pathogens</i> , 2014, 10, e1004383.   | 2.1 | 183       |
| 125 | Citrate Synthase Is a Novel <i>In Vivo</i> Matrix Metalloproteinase-9 Substrate That Regulates Mitochondrial Function in the Postmyocardial Infarction Left Ventricle. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1974-1985. | 2.5 | 38        |
| 126 | Artery buckling stimulates cell proliferation and NF- $\kappa$ B signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H542-H551.  | 1.5 | 10        |



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|-----|---|-----|-----------|
| 127 | Cardiac Assessment in Pediatric Mice: Strain Analysis as a Diagnostic Measurement. <i>Echocardiography</i> , 2014, 31, 375-384.   | 0.3 | 9         |
| 128 | Modifying matrix remodeling to prevent heart failure. , 2014, , 41-60.  |     | 2         |
| 129 | The tell-tale heart: molecular and cellular responses to childhood anthracycline exposure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1379-H1389.   | 1.5 | 20        |
| 130 | Using plasma matrix metalloproteinase-9 and monocyte chemoattractant protein-1 to predict future cardiovascular events in subjects with carotid atherosclerosis. <i>Atherosclerosis</i> , 2014, 232, 231-233.                           | 0.4 | 25        |
| 131 | Monoamine Oxidase B Prompts Mitochondrial and Cardiac Dysfunction in Pressure Overloaded Hearts. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 267-280.   | 2.5 | 135       |
| 132 | Myofibroblasts and the extracellular matrix network in post-myocardial infarction cardiac remodeling. <i>Pflügers Archiv European Journal of Physiology</i> , 2014, 466, 1113-27.   | 1.3 | 94        |
| 133 | Applications of miRNA Technology for Atherosclerosis. <i>Current Atherosclerosis Reports</i> , 2014, 16, 386.   | 2.0 | 37        |
| 134 | Aliskiren and valsartan mediate left ventricular remodeling post-myocardial infarction in mice through MMP-9 effects. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 72, 326-335.  | 0.9 | 33        |
| 135 | Negative Elongation Factor Controls Energy Homeostasis in Cardiomyocytes. <i>Cell Reports</i> , 2014, 7, 79-85.   | 2.9 | 36        |
| 136 | Cardiac aging is initiated by matrix metalloproteinase-9-mediated endothelial dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1398-H1407.   | 1.5 | 51        |
| 137 | And the beat goes on: maintained cardiovascular function during aging in the longest-lived rodent, the naked mole-rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H284-H291.                 | 1.5 | 46        |
| 138 | Caveolin-1 deletion exacerbates cardiac interstitial fibrosis by promoting M2 macrophage activation in mice after myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 76, 84-93.                         | 0.9 | 67        |
| 139 | Myocardial matrix metalloproteinase-2: inside out and upside down. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 77, 64-72.   | 0.9 | 89        |
| 140 | Cardiac function of the naked mole-rat: ecophysiological responses to working underground. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H730-H737.   | 1.5 | 32        |
| 141 | Heavy hitting: Using water to label humans. <i>Proteomics - Clinical Applications</i> , 2014, 8, 477-479.   | 0.8 | 2         |
| 142 | Cardiac extracellular proteome profiling and membrane topology analysis using glycoproteomics. <i>Proteomics - Clinical Applications</i> , 2014, 8, 595-602.  | 0.8 | 27        |
| 143 | <i>P. gingivalis</i> lipopolysaccharide intensifies inflammation post-myocardial infarction through matrix metalloproteinase-9. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 76, 218-226.                                | 0.9 | 41        |
| 144 | Using systems biology approaches to understand cardiac inflammation and extracellular matrix remodeling in the setting of myocardial infarction. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2014, 6, 77-91. | 6.6 | 14        |

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